

Manjunath S Gabasavalagi

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Total Experience: 12+ years.

Industry Experience: 6years of IT experience. I have worked in various organizations i.e. GL communication, Persistent Systems Pvt. Ltd., NMS communication and HCL technologies.

Academic Experience: 6.5 years of teaching experience as Asst. Prof. at BGMIT Mudhol.

Professional Summary:

- Working in BGMIT Mudhol as Asst. Prof, Since Aug 1st 2013 to till date.
- Worked as a Lead Engineer in HCL (India) Ltd Bangalore, Since Mar 11th 2010 to Nov28th 2012.
- Worked as a Senior Software Engineer in Ness Technologies (India) Pvt Ltd. Chennai since 16th March 2009 to Feb 19th 2010.
- Worked as a Software Engineer in Persistent Systems Pvt. Ltd. Pune since 20th March 2007 to 15th Feb 2008.
- Worked with GL Communications Pvt. Ltd. India, Bangalore since 8th March 2006 to 6th March 2007 as a Software Engineer.

Educational Profile:

Degree	Institute/Board/University	Year of Passing	Percentage of Marks	Class Obtained
Ph. D.	REVA University, Bangalore. [Pursuing]	-	-	-
M. Tech [Computer Science]	Basaveshwar Engineering College- Bagalkot [VTU]	2013	72	First Class with Distinction
B. E. [Computer Science]	Basaveshwar Engineering College- Bagalkot [VTU]	2005	70	First Class with Distinction
PUC	Basaveshwar Science College- Bagalkot	2001	73 [Overall] 82 [PCM]	First Class with Distinction
SSLC	Basaveshwar High School	1999	75	First Class

Projects Carried Out:

BE Project:

This Project titled “Network Auto Backup System” is a comprehensive solution designed for any specific network configuration. Using this project, Staff members can schedule regular backups, restore the System from any of multiple copies of backups. Both client and server machine should be connect to the network.

Mtech Project:

A biometric system which relies only on a single biometric identifier in making a personal identification is often not able to meet the desired performance requirements. Identification based on multiple biometrics represents an emerging trend. We introduce a multimodal biometric system, which integrates fingerprint, face and voice modalities in making a personal identification/verification. This system takes advantage of the capabilities of each individual biometrics. In order to enable a biometric system to operate effectively in different applications and environments, a biometric system which makes a personal identification based on multiple physiological or behavioral characteristics is preferred. It is planned to develop an effective biometric system, which will work according to the security level requirement depending on the application. The low, medium and higher level of security can be provided with the help of different biometric traits. The numbers of biometric modalities are provided as evidence to the system in order to provide the security. Three biometric modalities are planned to be used are fingerprint, face and voice. The developed system will provide the security based on application and requirement.

Project Profile:

Project Name: ERP.
Institute Name: BGMIT Mudhol.
Clients: BGMIT, College
Environment: PHP and SQL.
Team Size: 3
Description: ERP. Brings all (Student, Teacher and Principal) in single platform and provide live connectivity among all. Principal can get full control and visibility on operations like syllabus coverage, performance, attendance etc. The ERP provide features like Time Table and Syllabus Management, Attendance Management, Performance Management, Feedback System, Task Management, Admission Management, ID Card Generation, Reports etc.
Role/Responsibilities: <ul style="list-style-type: none">➤ Design and Development of ERP.➤ Solving Team member problems related to Technical and Requirement Related Problems.

Project Name: Feedback System
Institute Name: BGMIT Mudhol.
Clients: BGMIT, College
Environment: PHP and SQL.
Team Size: 2
Description: ERP. Proposed system helps faculty to understand the level of understanding of students on taught concepts. It provides GUI to faculty, to enter taught concepts and students will rate them as per their understanding. At the end faculty can view the mean of the rating provided by all students. Based on the rating faculty may or may not cover the concept/s.
Role/Responsibilities: <ul style="list-style-type: none"> ➤ Design and Development. ➤ Solving Team member problem related to Technical and Requirement Related Problems.

Project Name: Digital TV.
Company name: Working for HCL (India) Pvt Ltd Bangalore.
Clients: Sony
Environment: C, C++, Linux.
Team Size: 7
Description: Digital TV [Tuning Agent]. Twin view helps the user to view two screens, e.g. TV and external input, at the same time. Display method is P&P (Picture And Picture) and PIP (Picture in Picture). In PAP two screens are displayed right and left on screen and in PIP sub picture is displayed in the main picture.
Role/Responsibilities: <ul style="list-style-type: none"> ➤ Leading and Developed PAP/PIP feature. ➤ Client interaction and providing status to client. ➤ Solving Team member problems related to Technical and requirement related problems.

Project Name: Semantic Traffic Analyzer.
Company name: Narus Networks (Inida) Pvt Ltd Bangalore.
Clients: NEC, AT&T, etc.
Environment: C, C++, Linux.
Team Size: 2
Description: Semantic Traffic Analyzer [STA] receives the traffic from real time networks. After receiving data from network it applies rulesets to a received data and process data accordingly and produces the statistics of that data. It may be either alerts or statistic pcaps. User can perform different operations like User management, statistics/analyzed traffic information as per the user requirements. He can get information like logins information, user traversed page information, tracks of all operations which are performed on the portal.
Role/Responsibilities:

- Implemented L4 Generic Parser.
- Bug Fixing and Testing.

Project Name: Financial Products [Debit Card].
Company name: Working for Paypal through Ness Technologies (India) Pvt Ltd Chennai.
Clients: All users who does online transaction with ebay.
Environment: C, C++, Linux and SQL.
Team Size: 8
Description: Paypal is the easier and safer way to pay online. It is safer because paypal ask your credit card information only once, at the time of first login. Paypal gives 100% protection against unauthorized payments sent from your account and it also resolves disputes.
Paypal gives 3types of debit cards:
1) Virtual Debit Card 2) Physical Debit Card 3) Youth Debit Card.
Paypal provides 3types of accounts namely Personal, premium and business.
➤ Coding and Testing.

Project Name: Natural Access.
Company name: NMS Communications Pvt Ltd Bangalore.
Clients: Vodafone, Avayya, Airtel, OnMobile etc.
Environment: C, C++, Lotus Notes, Windows and Linux.
Team Size: 4
Description: Natural Access is a modular runtime and development environment for creating voice, fax, and call processing applications with NMS's media processing and network signaling boards. Natural Access provides a simple and consistent standard application programming interface (API) for integrating and presenting media and telecommunication capabilities to an application. Natural Access' standard features include telephony call control, voice record and playback, tone detection and generation, and industry-standard H.100/H.110 switching support.
Role/Responsibilities:
➤ Coding and Testing.

Project Name: Data Management Component [DMC]
Company name: Persistent Systems Ltd Pune.
Clients: Agilent
Environment: C, C++, Linux and Windows, Perl.
Team Size: 6
Description: Data Management Component (DMC) is a centralized data management system for telephony data records. It deals with enrichment of the Call Detail Records (CDR) extracted from a telephony network. These CDR's are then stored in the Oracle Database.
Role/Responsibilities:
➤ Coding and Testing.

Project Name: TRAU Traffic Monitor.
Company name: GL Communications Pvt Ltd Bangalore.
Clients: Many
Environment: C++, VC++, Windows.
Team Size: 2
Description: This application monitors the traffic flowing through Abis interface in GSM network. It displays the current traffic status of the T1/E1 line. It is divided in to time slots (TS) and Sub channels. Each call is displayed as a block. The background color indicates the frame type, arrows indicate direction of traffic and color of arrows indicates the codec type used. Half rate (8kbps) frames are indicated in single sub channel and for full rate frames (16kbps) two sub channels are clubbed together.
Role/Responsibilities: GUI Development.

Projects Guided:

- Online Examination and Evaluation System for Single and Multi-Level Test.
- IoT based Auto Monitoring and Controlling of Home Appliances using Raspberry PI and Python.
- GSM and GPS personal tracking.

Areas of Interest:

- Image Processing, Internet of Things and Web Applications

List of Published Papers:

- Manjunath S Gabasavalagi, Sanjeevakumar M. Hatture, Nalinakshi B. G, Rashmi P. Karchi, “**Hybrid Level Integration of Biometric Traits for Security Applications**”, International Journal of Advanced Computer Research, Volume-3 Number-3 Issue-12, pp. 23-31, 2013.
- Sanjeevakumar M. Hatture, Nalinakshi B. G, Manjunath S. G., Rashmi P. Karchi, “Prevention of Spoof Attack in Biometric System Using Liveness Detection”, International Journal of Latest Trends in Engineering and Technology, Special Issue - IDEAS-2013, pp.42-49, 2013.

Programming Proficiency:

- C, Data Structures, C++, UNIX, OS, DBMS.

Workshop Conducted:

- “**Computer Programming Laboratory**” on 30 July 2014 for the VTU faculties.

Resource Persons: Dr. V. B. Pagi and Mr. Manjunath S. G

Workshop / Short-Term Courses Attended:

- “**Trends in Computing Research**”, VTU Belgaum from 11-06-2015 to 15-06-2015.

- “**Academic Leadership through Emotional Intelligence**”, BEC Bagalkot on 15-06-2018.
- “**Intellectual Property Rights Studies**”, BEC Bagalkot,
- “**One day workshop on NPTEL**”, BEC Bagalkot on 29-11-2019.

Delivered Talks At:

- Gave many sessions on C & DS and C++ to experience candidates in HCL technologies.
- Trained MCA students of Basaveshwar Engineering College, Bagalkot on "**Corporate training on C and C++**" in 2012.
- Trained B.E. students of Anjuman Institute of Technology and Management, Bhatkal. on "**Corporate Training on C and C++**" in 2012.
- Trained BCA students of BLDEA's College, Jamakhandi on "**Corporate training on C and C++**" in 2013.
- Talk to B.E. students of BGMIT, Mudhol on "**Personality Development**" in 2013.
- Trained B.E. students of Basaveshwar Engineering College, Bagalkot on "**Corporate training on C and C++**" in 2013.
- Trained B.E. students of BLDEA's Vachana Pitamaha Dr. PGH Institute of Technology, Vijayapur on "**Corporate training on C and C++**" in 2014.
- Trained B.E. students of Tontadarya College, Gadag on "**Corporate training on C and C++**" in 2014.
- Talk to B.E. students of BGMIT, Mudhol on "**Preparation of Resume**" in 2014.
- Trained Diploma students of BLDEA's Vachana Pitamaha Dr. PGH Institute of Technology, Vijayapur on "**Corporate training on C and C++**" in 2015.
- Talk to Diploma students of BLDEA's Vachana Pitamaha Dr. PGH Institute of Technology, Vijayapur on "**Personality Development**" in 2015.
- Talk to B.E. students of REC, Hulakoti on "**Corporate training on C and C++**" in 2017.
- Talk to Diploma students of BLDEA's Vachana Pitamaha Dr. PGH Institute of Technology, Vijayapur on "**Personality Development**" in 2017.
- Talk to B.E. students of BGMIT, Mudhol on "**Preparation of Resume**" in 2018.

Additional Responsibilities:

- Worked as Head of the Department of Computer Science and Engineering from 1st August 2014 to 3rd September 2018.
- Working as Training and Placement Officer from 1st August 2014 to till date.
- Played major role in advertisement work.
- AICTE work.
- Developed ERP for college activities like admission procedure, feedback system, attendance, generation of reports etc.
- Centralized Desktop, Projector and other lab setups.
- Conducting Motivational Talks and also gave many talks for students.
- Admission work, Gymkhana Coordinator, Establishment of IMC group etc.

Achievements:

- Got “**Best Idea Generation**” award from Sony.
- Founder of SkillPolish organization.
- Gave many sessions on C & DS and C++ to experience candidates in HCL technologies.