

Manoj Kumar M P

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Educational Qualifications

2016-2018	Master of Technology in Computer Science, Sri Sathya Sai Institute of Higher Learning, Prasanthi Nilayam Campus. CGPA 8.3/10.0 (Awaiting final semester results)
2009-2013	Bachelor of Technology in Computer Science and Engineering, Sreepathy Institute of Management and Technology (Affiliated to- University of Calicut), Palakkad. CGPA 8.01/10.0

Work Experience

March 2014-May 2016 2 years and 2 months	Junior Software Engineer: Geojit Technologies Private Limited (SEI CMMI Level 5), Carnival Info park Kakkanad Cochin, Kerala.
July 2013-February 2014 7 months	Dot Net Developer: Ismart Business Solutions Private Limited , CSEZ Kakkanad Cochin, Kerala.

Technical Skills

Programming languages:	C, C++, Dot Net, Java
DBMS Packages:	MS SQL, MySQL, Oracle, DB2
Software Tools:	Microsoft Visual Studio, SQL Server Management Studio, SQL Yog, Eclipse, MATLAB
Basic Knowledge:	Python, Android, CUDA, MPI, OpenMP, LaTeX

Publications

“Parallel Implementation of Screen Content Video Compression based on Block Classification Scheme” at 24th IEEE International Conference on High Performance Computing, Data and Analytics December 2017, Student Research Symposium, Jaipur, India.

Academic Projects

Automatic Music Tagging (M. Tech main project)	Generate tags automatically for music files. Implemented different methods for <ul style="list-style-type: none">• Singing voice detection and separation• Word boundary detection in speech• Speech recognition
Object detection in Images (B. Tech main project)	Implemented an object detection algorithm for images using HOG and SVM.
USB Dominator (B. Tech mini project)	A desktop application to windows platform for controlling the access of USB storage devices, developed using C # and MS SQL as backend.

Industry Projects

Project Name	FLIP	
Description	FLIP is a complete online trading solution for stock brokers, which incorporates a full-fledged order management system with built in multi-level risk management module, and a powerful real time streaming market data system. FLIP can be configured to operate on multiple venues dealing multiple assets, simultaneously which in turn can make the brokers day to day operations hussies free. There are mainly two versions of FLIP, Enterprise and Ultimate.	
Role in Project	Design and development of the code. Analyse, debug and fix issues reported.	
Team Size	4	
Company	Geojit Technologies Private Limited	
Technologies used	Enterprise version	Ultimate version
	Dot net, Java, TIBCO RV messaging service, Oracle 10g	Dot net, Java, Apache Active MQ messaging service, MySQL
Client/s	Geojit BNP Paribas, Al-Maha Muscat.	Fincorp Muscat, DBFS, Capstocks Securities, Geofin Comtrade.

Project Name	OLAM Inventory	
Description	Inventory module covers inflow-outflow analysis of items used for plantations, factories and other operational units.	
Role in Project	Design and development of the code. Analyse, debug and fix issues reported.	
Team Size	6	
Company	Ismart Business Solutions Private Limited	
Technologies used	Dot net, MSSQL server 2008R2, SQL Server Reporting Services	
Client/s	Olam International Malaysia	

Achievements and Extracurricular activities

- Student co-ordinator Prasanthi Panchavadyam (A temple art comprises of five music instruments) team (2016-2018).
- An active member in Sri Sathya Sai Village Service Program Grama Seva, an annual social service program covering 150 villages in Anantapur District of Andhra Pradesh, India (2016).
- Part of CMMI Level 5 assessment programme, appeared in the interview as function area representative on behalf of the software development team (2015).
- Won second prize in National level “Android application development” competition conducted by **IIT Madras** (2013).
- Event organizer of “Panchajanya 2013”, tech fest conducted in SIMAT (2013).
- Part of college website development and maintenance team (2012-2013).