

Avijeet A Gaikwad

M.Tech. in Computer Science & Engineering

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ACADEMIC DETAILS

Examination	University	Institute	Year	CPI/%
Post Graduation	IIT Bombay	IIT Bombay	2016	8.2
Graduation	Dr. Babasaheb Ambedkar Marathwada University	P.E.S. College of Engineering	2013	65.06
Intermediate/+2	Maharashtra State Board	Milind College of Science	2009	72.17
Matriculation	ICSE	Cambridge School, Aurangabad	2007	84.43

Major Projects and Seminars

- **Bodhitree: E-learning platform development**

(Guided by Prof. Kameswari Chebrolu and Prof. Bhaskaran Raman)

May'15 - July'16

- Bodhitree platform is developed using the Django web framework back-end technology and React.js as the front-end, a combination of Nginx and Unicorn servers is used to host the platform
- Summary of the features developed:
 - * Access control to content offered in the courses
 - * Facebook style notifications
 - * Archiving, management and provision of an interface for emails
 - * Discussion Forums, management of students marks and UI enhancements

- **MOOCs - Massive open online courses** (Guided by Prof. Bhaskaran Raman)

Jan'15 - May'15

R&D and Course Projects

- **Report grading application**

(Research & Development, Guided by Prof. Kameswari Chebrolu)

Jan'16 - May'16

- Development of a web application to provide an intuitive interface to conduct online examinations
- Creation of a suitable and user friendly interface for the grading of examinations

- **Automation of report generation from network simulator data**

(Software Lab, Guided by Prof. Bhaskaran Raman)

July'14 - Dec'14

- Calculated the required information from a given network simulator output
- Used Bash scripting alongwith Lex/Yacc tool, GIT and Gnuplot

BE Projects

- **Visual programming interface for Turbo C programming**

(BE final year project, Guided by Prof. S. Pingle)

August '12 - June '13

- A reverse engineering based method where a user can draw pictures on a canvas using the mouse and the corresponding C code is generated

- **Archery Game** (BE third year project)

Jan '12 - June '12

- A full fledged game of Archery completely made in Borland's Turbo C using the basic graphics library

Work Experience

- **Heckyl Technologies, Mumbai, India**

Aug'16 - till date

- **Role: Software Engineer (Android developer)**, responsibilities and development done include:

- Development of API's for the trading platform using .NET Framework
- Development of Android application for Heckyl's trading platform
- Setting up the Git version control and Bonobo system for Android and iOS team

M.Tech. Courses

Computer Networks	Linear Optimization
Algorithms and Complexity	Mobile Computing
Software Engineering	Formal Models for Concurrent and Asynchronous Systems
Artificial Intelligence	Current Topics in VLSI and System Design

Technical Skills

- **Programming:** C, C++, C#.NET, Java, VB.NET, SQL
- **Scripting Languages:** Bash Unix Shell Scripting, Python, Gnuplot
- **Web Technologies:** Django, HTML, CSS, Javascript, jQuery, PHP
- **Operating Systems:** Linux, Windows
- **Tools:** GIT, \LaTeX , Wireshark, Tshark, Tcpdump, command line tool chain(awk, sed, grep)
- **Databases:** MySQL, PostgreSQL

Positions of Responsibility

- **Student Mentor** in the Institute Student Companion Programme, IIT Bombay 2015
 - **Coordinator** in the orientation programme for the new M.Tech entrants in the year 2015
 - **Mentored** the new CSE M.Tech 1 entrants during their initial days at IIT Bombay
- **Teaching Assistantship, IIT Bombay:**
 - CFILT LAB *(with Prof. Pushpak Bhattacharyya , Autumn 2014)*
 - Redesigned the Center for Indian Language Technology's Web Application, Indo-Wordnet to have a better user interface
 - CS101 TA *(with Prof. Kavi Arya, Spring 2015)*
 - Assisted in the classes, checked the exam papers and evaluated the projects of **500** students
 - CS101 Senior TA *(with Prof. Varsha Apte, Autumn 2015)*
 - Managed the work assigned to the Junior TA's and was responsible for conducting the CS101 Make-up lab which has an average attendance of **50** students
- **Techtrix 2013** *(P.E.S. College of Engineering, National Level Technical Event)*
 - Head of the LAN Gaming event which catered around **300** participants

Achievements

- Developed Software **Multi-ImageSearchDownload** in 2010 in **Visual Basic** which received **100% Clean Softpedia Award** certified by **Softpedia.com** and which is listed on CNET's **Download.com**
- Developed a Graphic to 2D Coordinate conversion tool **Drawing 2 Turbo C** in 2011 in **Visual Basic** which was used by several students all over the world to build graphics projects in Turbo C
- Secured **99.26 Percentile** amongst **155,190** candidates in GATE 2014, Computer Science
- Blogs and Websites owned:
 - Computer Projects (<http://www.projectcse.blogspot.in/>), having more than **12000** views

Extra-Curricular Activities

- Won **Gold medal** in 4x100m mixed relay held at IIT Bombay in the PG Sports General Championship 2016
- Won **Gold medal** in 4x100m relay held at IIT Bombay in the PG Sports General Championship 2016
- Represented CSE in the inter-department PG football tournament, IIT Bombay 2016
- **Hobbies:**
 - Playing Football, Badminton, Lawn Tennis and Table Tennis
 - Playing guitar and singing
 - Listening to music, watching movies
 - Playing PC games