Avijeet A Gaikwad
✉ avijeet7@gmail.com

M.Tech. in Computer Science & Engineering
☎ +91 - 9420313158

⌂: N-11, C-3/24/3, Hudco, Aurangabad, (M.H., India) - 431003
☎ +91 - 9167765477

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 Gunicorn 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**   *Jan'16 - May'16*
  (Research & Development, Guided by Prof. Kameswari Chebrolu)
  - 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**   *July'14 - Dec'14*
  (Software Lab, Guided by Prof. Bhaskaran Raman)
  - 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**   *August '12 - June '13*
  (BE final year project, Guided by Prof. S. Pingle)
  - 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**, responsibilities and development done include:

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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, 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