Prateek Chandan
Computer Science & Engineering
Indian Institute of Technology Bombay

120050042
B.Tech.
Male
DOB: 15-03-1995

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2016	8.63

WORK EXPERIENCE

JAN 2015 – PRESENT
Co-founder, Pickup

Worked as as CTO to build algorithms and product for providing shared taxi services by profit maximization. Developed web APIs , android application along with a small team of developers

SUMMER 2015
Internship , Microsoft IDC

Worked on an Application *CheckMark - Correction App* as a part of Microsoft's One India Education Initiative , aimed to ease the paper correction process for teachers . Recieved a Pre Placement Offer at the end of internship

SUMMER 2014
Software Developer, Shezartech

Implemented a JEE Practice Engine with ranking of students by detecting difficulty of problems. Also made a web based Learning Management System

NOV 2013 – DEC 2014
Entrepreneurship Project, Infermap

Worked as Technical Director at Infermap, web based education start-up launched in 2014 by IITB which was aimed d to help student chose their colleges by a college search engine

ACHIEVEMENETS

- Secured an All India Rank of "358" in *IITJEE 2012* among *5 lakh* aspirants
- Awarded *KVPY 2010-11* fellowship and attednnded the prestigious *Vijyoshi Camp 2011* at *IISc, Bangalore* and *Summer Camp* at *IISER, Pune* organized by *KVPY*
- Awarded *"Tech Freshman Of The Year 2012-2013"* among *880* freshmen
- All India Rank *15* in NCO , *21* in INMO and *51* in NSO Conducted by SOF
- Secured 3rd Position in Codestruck , National Coding Competition conducted by Techfest,IITB
- Secured 10th in *ACM-ICPC 2014* Onsite round at Khadagpur site

SOFTWARE SKILLS

SKILLED — C, C++ , Java, MIT-Sceme, Python, PHP, HTML5, CSS3, JQuery, MYSQL , MVC , Android Development

BASIC — LATEX, VHDL, MIPS Assembly, BASH , MATLAB, Prolog

Homepage: http://www.prateekchandan.me

PROJECTS

2015 **QuizApp Server - R&D Project**
Designed a Web Application and REST Framework APIs for an App to conduct in class quiz with proper security mechanisms. Created custom fonts for authentication and LDAP verification

2014 **Web Based Remote Desktop**
Implemented a server client program using Websockets to implement a remote desktop connection.Authentication system and Auto Load balancing was a part of this project

2014 **Machine Translation**
Implemented schema dependent machine translation of Natural Language Query to SQl Queries Statistically using Moses and Generic CFG Based adaptable to schema

2013 **Voice Controlled Bot and Biped**
Implemented Hidden Markov Model for the voice processing module. Coded in MATLAB involved algorithms like Viterbi and Forward-backward algorithm. Also built an RC Bot and Biped

2014 **Transformer Modelling in OpenGL**
Built a model of transformer in OpenGL C++ along with interactive keyboard controls. Created 3D environment and made a short movie using key-frame interpolation

2013 **Implementation of Threads in GeekOS**
Implemented Kernel level threads and User level threads in GeekOS - tiny OS kernel.Worked on Deadlock detection and proper resource management with implementation of syscalls

2013 **Compilers**
Made a compiler for C like language using FlexC++ and BisonC++. Incrementally achieved syntax analysis, symentaic check, AST Generation and Machine code generation

EXTRA CURRICULARS

- Been an active freelancer with work in eide range of projects
- Particapated in Yahoo and Microsoft hackathons
- Interested in algorithmic coding
- Extremely Interested in traveling and other adventure activities