Pranav Maneriker

4th Year Undergraduate
Computer Science and Engineering
IIT Kanpur

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Education

Year	Program	Institute	Grade/Percentage
2012 – present	B.Tech, CSE	IIT Kanpur	9.1/10.0 (*)
2012	Class XII, CBSE	Army Public School, Pune	97.0%
2010	Class X, CBSE	Army Public School, Pune	10.0/10.0

Awards and Achievements

- Award for **Academic Excellence (**IIT Kanpur, **top 7%** of the batch) (2014)
- Secured **22nd** position in **ACM ICPC** (International Collegiate Programming Contest) Kharagpur Regionals (2013)
- Awarded **Aditya Birla Group Scholarship (**awarded to 16 students**)** (2012)
- Secured **All India Rank 145**, **IIT JEE'12** (2012)
- Secured **All India Rank 39**, **AIEEE'12** (2012)
- Selected for Indian National Chemistry Olympiad (**InChO**) (top 300 in the country) (2011)
- Awarded **Kishore Vaigyanik Protsahan Yojna** fellowship by Indian Institute of Science, Bangalore (2010)

Projects/Internship

Internships

Interned as Software Developer at **Aurus Network Infotech Pvt Ltd.** **(May'14 - July'14)**
Worked with a team of 11 people on the following projects (Source control with **git**) on superprofs.com and coursehub.tv

Used a php framework (Yii) and a javascript frontend framework (emberJS) to build various services for the two websites.

Interned as a Research Intern at **Adobe Big Data Intelligence Lab** **(May'15 – July'15)**
Worked on summarization of articles on social media

Areas of Work: Deep Learning, Computer Vision, Approximation algorithms, Natural Language Processing

Projec

SVM approximation methods **(Aug'15 - Nov'15)**
Semester Project, CS678

The project involved a theoretical study of some state of the art SVM approximation methods - LDKL and DC-Pred++

Link: http://pranavmaneriker.github.io/assets/cs678-report.pdf

Reinforcement Learning in Haskell **(Aug ’15 - Nov ’15)**
Semester Project, CS653
A library for reinforcement learning in Haskell. It includes the implementation of Q-Learn, SARSA and an example game (cat and mouse)

Link: https://github.com/arnabgho/RLearnHaskell

Bayesian Hierarchical Models for Natural Scene Classification **(Jan ‘15 - Apr'15)**
Semester Project, CS679
Implemented a classifier for natural scene categories for the SceneClass13 dataset based on the paper by Fei-Fei Li and Pietro Perona
The classification is done using a Markov Chain Monte Carlo algorithm

Technical Skills

Languages: Java, C, C++, PHP, Javascript, Bash (shell scripting), SQL, Perl, Python, HTML/CSS, BlueSpec Verilog, Assembly(MIPS ISA)
Other tools: Git, CUDA, webRTC, LaTeX, Beamer, OpenGL, OpenCV, vim, GNUPlot, Octave, MATLAB , Autodesk Inventor

Extra Curricular Activities

- **(Ex) National Record Holder, Rubik's Cube:** For solving the **Rubik’s Cube** in **Fewest Moves** (29 moves)
- **Active member of Programming Club and Literary Discussion Group**
- **Programming Contests:** (Handle pm1729) Competing on websites such as codeforces.com, codechef.com, topcoder.com
- **Chess:** Active online as well as over the board at institute level tournaments

Positions of Responsibility

- **Coordinator, Rubik's Cube Hobby Group, IIT Kanpur** **(Aug'14 - May'15)**
- **Course Teaching Assistant, Data Structures and Algorithms** (under Prof. SK Mehta) **(Aug''15 – Nov'15)**
- **Course Tutor, Introduction to Programming** (under Prof. Sunil Simon) **(Jan'15 - present)**