Hritvik Taneja

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EDUCATION

IIT KANPUR
B.Tech. in Computer Science
Expected 2016-20
CGPA: 8.1

LINKS

Github:// **hritwik567**

COURSEWORK

Introduction to Computing
Logic for Computer Science
Abstract Algebra
Discrete Maths
Linear Algebra
(o: ongoing)

SKILLS

PROGRAMMING
Proficient: C, Python, Javascript
Experienced: C++, Java, Scala

WEB
Express.js with Node.js, Akka with Scala, TypeScript, Angular2

UTILITIES
Linux shell utilities, Tensorflow, scipy, Git, MongoDB, LaTeX, Vim

MACHINE LEARNING
CNN, RNN, skip-gram, PCA, k-means

MISCELLANEOUS

Secretary, Programming Club, Year 2017-18

Senior Executive, Web, Antaragni'17

WORK EXPERIENCE

NEW YORK OFFICE, IIT KANPUR | Backend Developer
May 2017 – ongoing | Under Prof. Manindra Agarwal, IIT Kanpur
- Worked on a scalable web application with a diverse technology stack.
- Implemented history feature using google-diff-match-patch libraies
- Used Scala with Akka, Facebook's Phabricator among other technologies for developing the backend

PROJECTS

OPTIMAL BIDDING | Inter-IIT Tech Meet
December 2017 - ongoing
- Made a model to predict bid amount in a Day Ahead Market given the prediction of demand, solar output and market price.
- Trained a regression model to predict actual value of demand, solar output and market price based on the given prediction of these.
- Used Markov Decision Process among other techniques to predict bid amount which minimizes the total cost of purchasing electricity.

CHATAPP USING NODE.JS AND WEBSOCKETS | ACA Project
Jan 2017 – May 2017
- Made a chat client using javascript
- Made a chat server using socket.io in Nodejs
- Mid Semester project under the Association of Computing Activities (ACA), IIT Kanpur

SENIOR WEB EXECUTIVE | Antaragni'17
July 2017 – Oct 2017
- Used the full **MEA (N** using Typescript) **Stack** for a fest webapp and its admin control panel.
- Dynamic website with content easily changeable via the control panel.
- Supported Android App as well with an API.

24 HOUR HACKATHON | Code.Fun.Do
Microsoft India| Sept 2016
- Developed a web-app to connect people for cab sharing.
- Wrote backend in Nodejs and used MongoDB for database management.

SCHOLASTIC ACHIEVEMENTS

Year	Achievement		Location
2016	**All India Rank 202** , Joint Entrance Exam Advanced		India
2016	**All India Rank 1466** , Joint Entrance Exam Mains		India
2016	**KVPY Scholarship Awardee** , Indian Institute of Science		Bangalore, India