

SUBHDEEP SAHA

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Department of Computer Science and Engineering
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EDUCATIONAL QUALIFICATIONS

Year	Degree	Institution(Board)	CGPA/%
July'15 – Present	B.Tech, CSE	Indian Institute of Technology, Kanpur	6.5/10.0
2015	AISSCE – XII	Sudhir Memorial Institute, Kolkata (CBSE)	88.4%
2013	AISSE – X	DAV Model School, Kharagpur (CBSE)	10.0/10.0

SCHOLASTIC ACHIEVEMENTS

- AIR 5205 in **JEE Advanced 2015**
- Ranked in top 1 percentile in **JEE Main 2015**, among 14,00,000 appearing candidates.

PROJECTS

Dashboard Web Extension/App *IIT Kanpur*
Inter IIT Tech Meet February, 2017

- Involved in creating a web extension which acted as a user's home page
- Server Side was implemented as multiple **microservices** in various languages (Golang, Python, NodeJS) involving inter-process communication via JSON RPC with client side in Angular.
- Fully **Dockerized scalable backend** running on a docker-compose setup.
(github.com/yashsriv/beethoven)
- Judged **1st** among all the IITs participating in the competition.

Smart Mirror *IIT Kanpur*
Programming Club, IITK Summer'2016

- Built an IoT Mirror with an RPi and a display fitted with a 75% reflecting mirror.
- The mirror had features such as weather forecast, calendar notifications and pushbullet notifications of a user (determined via face identification).
- Integrated Google Calendar notifications.
- Received Best Applicable Project.
- **Github:** Smart Mirror

Reversi Game in Python *IIT Kanpur*
Association of Computing Activities, IITK Feb 2016- April 2016

- Developed a python application using Pygame for 2 Players as well Single Player Reversi gameplay in a team of 2.
- Uses the negamax algorithm with an efficient heuristic check for better performance against humans.
- **Github:** Reversi Python

RELEVANT COURSES

CS: Introduction to Programming, Logic in Computer Science, Computer Organization, Data Structures and Algorithms, Computing Laboratories - 1
Math: Discrete Math, Probability and Statistics

WORK EXPERIENCE

Whiteoigic *Chennai, India*
Frontend Developer Winter 2016

- Client Technologies Developer in a startup organization
- Built a web application from scratch using Angular 2 as the framework.
- Worked with a REST-api along with Typescript to develop the app. The MVC Design Pattern was followed to create scalable code. The application was created up to industry standards, and is being deployed in a few major Fortune 500 companies (further details are under NDA).

New York Office, IIT Kanpur *Kanpur, India*
Frontend Developer, under Prof. Manindra Agarwal Summer 2017

- Worked in a team to develop an information management and retrieval system for New York office of IITK. Worked on a scalable Web-Application
- Led a team of 4 members and was a peer mentor during the course of the internship.
- Implemented Reactive Forms with better validation giving better UX to the user.
- Implemented linking of user Facebook account to our Web-App.

POSITIONS OF RESPONSIBILITY

- **Senior Executive**, Web, Techkriti 2016
- **Head**, Web, Techkriti 2017

SKILLS

Programming:

Proficient: Javascript, C

Experienced: C++, Python, Shell

Web: Express.js with Node.js, Flask with Python
JavaScript, TypeScript, Angular

Utilities: Linux shell utilities, Git, Docker, MongoDB, \LaTeX , Vim

MISCELLANEOUS

- Among the top 15 teams of India in CSAW 2016, Capture The Flag
- Mentored 6 students in making a Angular app where campus community can share their academic resources.
- Open Source Contribution in projects like **Mozilla Firefox**