



# Soham Chakraborty

Final Year Undergraduate | Computer Engineering  
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## Profile

A meticulous and organized individual skilled in design and integration with intuitive problem-solving skills. Proficient in PYTHON and Passionate about implementing and launching new projects. Ability to translate business requirements into technical solutions. Looking to start my career as an entry-level software engineer with a reputed firm driven by technology.

## Education

EXAMINATION	INSTITUTION	YEAR	CGPA/%
B.E	Terna Engineering College	2019 – 2023 (6 <sup>th</sup> Sem)	9.02/10
HSC	Atomic Energy Central School-4, BARC	2019	81%
SSC	Atomic Energy Central School-1, BARC	2017	10/10

## Internships

### Engineering trainee - Nuclear Power Corporation of India (NPCIL)(Govt of India) - June 2022

- Worked on a neural network based prototype for a network intrusion detection system, targeting to secure the communication network between embedded reactor consoles and operator work stations.
- analyzed the performance of implemented system and prepared technical documentation for it.

## Projects

### Machine learning based system for breast cancer prediction | 2022 -

- Machine learning algorithms were implemented to learn trends from a medical dataset and then use them to predict occurrence of cancer based on patient biopsy data.

### Image processing based system for Intruder detection | 2021 -

- OpenCV libraries were used in python to create a motion detection algorithm which detected motion by comparing frames and finding out relative differences between frames.

### Voice based email system for visually impaired users | 2020 -

- Implemented an email system which performed the task of sending and reading emails by using voice commands.

## Courses

- Introduction To Programming With Python, University Of Michigan
- Machine Learning For All, University Of London
- CS50W web programming, Harvard university

### LANGUAGES

- Python
- Javascript
- C

### WEB TECHNOLOGIES

- HTML
- CSS

### VERSION CONTROL SYSTEMS

- Git
- GitHub

### SOFT SKILLS

- Adaptable
- Quick Learner
- Dedicated
- Multi-tasking
- Soft Spoken

### SPOKEN LANGUAGES

- English
- Hindi
- Bengali

### HOBBIES

- Reading books
- Listening to music
- Aquascaping