

# SAURAV MUKHERJEE

A Passionate Full Stack Developer

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## EDUCATION

### Bachelor of Technology (B.Tech) in Computer Science and Engineering

Asansol Engineering College

10/2020 - 06/2024

CGPA: 9.08

### Higher Secondary Education (Science)

Doon Public School

04/2018 - 07/2020

Grade: 78.2%

## WORK EXPERIENCE

### Security Analyst

EY (Ernst & Young)

09/2024 - Present

Kolkata, West Bengal

Achievements/Tasks

- Identifying and assessing financial, operational, and compliance risks; Developing and implementing risk mitigation strategies.
- Monitoring evolving risk environments and regulatory changes.

### Software Development Engineer (SDE) Intern

SMIIT LTD

12/2023 - 07/2024

Remote

Tasks

- Built the next-gen AI-based **CyberSecurity Platform** to provide robust solution
- Integrated **machine learning** for threat detection. Conducted **code reviews**, **automated testing**, **optimized performance**, **ensured compliance**, **collaborated with cross-functional teams**, and improved the user interface and real-time threat analysis.

### 1:1 live Coding Tutor

ConnectBud

07/2022 - 01/2024

Remote

Achievements/Tasks

- Taught 100+ Live 1:1 Online Coding Classes on technologies such as App development, Web development, Machine learning and different programming languages.

### Google Developer Student Club Lead

Google

06/2022 - 06/2023

Tasks

- Appointed as Google Developer Student Club Lead for the first time on my campus, organized **technical programs and hackathons**, and **mentored** students.

## SKILLS

C C++ Python Java Html CSS  
Javascript Predictive Modeling ReactJS  
Angular DSA Open Source  
Google Cloud Platform NodeJS SQL  
Problem Solving GIT TensorFlow

## PERSONAL PROJECTS

### AI Healthcare Hub (07/2023 - 06/2024)

- Developed an innovative platform using AI and blockchain to transform healthcare. Features predictive disease diagnosis, mental wellness resources, and a unique healthcare donation system.
- Tech Used: Python, TensorFlow, Keras, OpenCV, Scikit-learn, Pandas, SQL, Flask, Docker, and render Cloud.**
- Implemented AI algorithms for disease prediction. Integrated Mental Wellness Platform for relaxation. Designed user-friendly donor and needy portals.
- [Code](#) | [Visit Here](#)

### E-Mail Classification ML Model (07/2021 - 08/2021)

- Classify **e-mails** as **spam** or **not** on the basis of the message
- MODELS USED: Naive Bayes, Random Forest Classifier, XG Boost Classifier** **LIBRARIES USED: Numpy, Pandas and Sklearn**
- [Project Repository](#)

### Menses (08/2023 - 07/2024)

- Menses-Enables Menstrual Hygiene Solutions.
- Proposed Solution:** Donor & Needy matchmaking Platform, Menses E-Shop, Menses Learn (learning platform), Open Community (open conversation for females)
- Tech Used: **Google Maps API, HTML5, bootstrap5, JavaScript SCSS, email.js, firebase, Firestore and Alan AI**
- [Code](#) | [Visit Here](#)

### E-commerce Marketplace (06/2023 - 08/2023)

- e-commerce full stack web app built using **ReactJS and NextJS**.
- Tech Used: **ReactJS, Webhooks, Stripe Payments API** for Checkout, **Cloud Firestore database, NextAuth, Redux, Google Authentication, Tailwind CSS and Vercel**
- [Code](#) | [Visit here](#)

## ACHIEVEMENTS

### CSI State Level Project Exhibition Winner

(12/2021 - 01/2022)

Won first prize during state-level project exhibition competition. [Project link Live website](#)

### Samsung Solve for Tomorrow India Finalist 2022

(08/2022 - 09/2022)

I got funded to solve real-life healthcare problems by developing a prototype of the application. Shortlisted among 18,000+ students across India. [More About this.](#)