

# ARKAPRAVO GHOSH

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## EXPERIENCE

### Software Development Engineer

Feb 2024 - Present

RevMaxx

Part-time, Hybrid

- Developed and maintained the backend of the RevMaxx AI Platform, which helped the company generate revenue by enabling quick setup for clients. Ensured the security of the platform by regularly updating dependencies, implementing proper security measures, and monitoring the platform, created and managed APIs that optimized the platform's speed by 30%, secured the backend by implementing robust security measures and keeping dependencies up-to-date, ensuring zero vulnerabilities and implemented sockets for real-time data transfer, increasing the platform's speed by 20%.

### Software Development Engineer

Sep 2024 - Nov 2024

Rad Media Solutions

Part-time, Remote

- Worked with the clients of the company to understand their requirements and built custom software solutions for them using Angular and other technologies as needed.

### Software Development Engineer

Jul 2024 - Aug 2024

Avinya NeuroTech

Part-time, Remote

- Developed and maintained the frontend of the Connect AI Platform, which is used by the company to provide its main services. Created and managed the UI/UX, helping users understand the platform more effectively and reducing the learning curve.

### Software Development Engineer

Apr 2024 - May 2024

Connect AI

Part-time, Remote

- Developed and maintained the frontend of the Connect AI Platform, which is used by the company to provide its main services. Created and managed the UI/UX, helping users understand the platform more effectively and reducing the learning curve.

### Software Development Engineer

Jun 2023 - Dec 2023

PepHub

Part-time, Remote

- Created deployment and configuration for several projects on multiple cloud environments like Amazon Web Services and DigitalOcean, increasing scalability by 40%. Worked on building secure CI/CD pipelines, increasing deployment speed by 30% and eliminating downtime. Built the [PepHub Consultancy Website](#), generating leads for the company.
- Building and maintaining the software infrastructure for the company as well as their product.

## SKILLS

- Programming:** JavaScript/TypeScript, Python, Shell Scripting, C/C++ & Java/Kotlin
- DevOps:** Git, GitHub, Docker, Docker Compose, Networking, Jenkins & Kubernetes
- Cloud Computing:** Google Cloud Platform, Amazon Web Services, Microsoft Azure & DigitalOcean
- Database:** MySQL/MariaDB & MongoDB
- Platforms:** Linux, Windows & macOS
- Project Management:** Jira
- Frontend & UI/UX:** React, Next, Gatsby, React Native, Angular, SCSS, Tailwind, Material UI, Chakra UI, Fluent UI & Figma
- Backend:** FastAPI, Node & Express
- IoT:** Arduino, Raspberry Pi & Node-RED

## EDUCATION

**Bachelor of Technology in Computer Science and Engineering**  
(IoT, Cybersecurity and Blockchain Technology)

Expected 2026

University of Engineering and Management, Kolkata

7.44 GPA

## PROJECTS

- Speech To Text API:** Built an Open Source Speech To Text API using Python, FastAPI and OpenAI's Whisper v3 Model from HuggingFace Transformers.
- Smart Parking System:** Built an Open Source Parking System that updates status of parking slot availability in realtime and displays into a website, made using Raspberry Pi, Node JS, Express JS and React JS.
- Biometric Attendance Management System:** Built an Open Source Attendance Management System with an Admin Console that uses Fingerprint Biometrics to collect Attendance using Python, MariaDB, Raspberry Pi and Fingerprint Sensor.
- ICD-10 Medical Coding Scraper:** Built an Open Source Web Scraper that scrapes Latest ICD-10 Codes from the [icd10data.com](https://icd10data.com) website using TypeScript, Node and Cheerio and saves in JSON format.