

ARKAPRAVO GHOSH

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EXPERIENCE

Senior Software Development Engineer

Feb 2024 - Present

RevMaxx

Remote

- 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%.

Frontend Developer

Apr 2024 - May 2024

Connect AI

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.

DevSecOps Engineer

Jun 2023 - Dec 2023

PepHub

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.

Software Development Engineer

Avinya NeuroTech

Remote

- 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, 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

Expected 2026

(IoT, Cybersecurity and Blockchain Technology)

University of Engineering and Management, Kolkata

8.05 GPA

PROJECTS

- Speech To Text API:** Built an Open Source Speech To Text API using Python, FastAPI and OpenAI's Whisper v2 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 website using TypeScript, Node and Cheerio and saves in JSON format.

CERTIFICATIONS

- [Google Cloud Study Jams](#) - Enhanced my Cloud Computing Skills with Google Cloud Platform
- [Google Cloud Platform](#) - Learnt Cloud Engineering with Google Cloud Platform

ACTIVITIES

- Web Developer at Hack4Bengal:** Built the website of [Hack4Bengal 3.0](#) using React and SCSS, which helped the event reach a wider audience.
- Web Developer and Designer at Ureckon:** Built and Designed the website of [Ureckon 2024](#) using React and SCSS, which helped the event reach a wider audience.