Arpan Mandal

enthusiasticoder@gmail.com | LinkedIn Profile | GitHub Profile

Skills

Languages & Frameworks: JavaScript (Node.js, React, Express), Python, SQL, HTML/CSS, REST APIs
Databases: PostgreSQL, MySQL, MongoDB
AI/ML Engineering: Model deployment (Python, TensorFlow, scikit-learn), Data preprocessing & feature engineering
Tools & Platforms: Git/GitHub, Docker, Linux, Google Cloud, WebAuthn/Passkeys
Other: Secure API Development, Full-stack Scalable Architectures

Experience

Lead – Google Developer Groups On Campus   August 2024 – July 2025

- Organized tech workshops and hackathons, engaging **150+ students** in modern web development and cloud-native design.
- Mentored peers on **full-stack development, scalable architectures, and AI/ML integration**.
- Coordinated **Winter of Code 4.0**, guiding contributors on open-source projects **across multiple Organizations**.
- Enhanced **community engagement**, strengthened contributor skills, fostering a **collaborative open-source ecosystem**.

Full-Stack Developer   Jan 2023 – Present

- Designed and deployed **scalable full-stack systems** with Node.js, React, Express, and SQL/NoSQL databases , integrating **ML models** for tasks like prediction, recommendation, and anomaly detection.
- Built **end-to-end ML pipelines** from Data preprocessing → training → deployment → API integration.
- Containerized and served ML models using **Docker, Azure and GCP**, enabling production-ready inference at scale.
- Applied **CI/CD workflows** to update deployed ML models **without downtime.**

Projects

Paediprime (Scalable Clinic Management System with Extensive Support for Research and Diagnosis)

- Designed and developed a **modular Node.js backend** for **Paediprime**, enabling scalable user management, authentication, and appointment scheduling.
- Designed **scalable controllers and custom validation framework** for clean, reusable APIs.

War Simulations   GitHub Repository

- A **real-time tactical warfare simulation** featuring **autonomous troop combat** with smooth animations.

Documenter   GitHub Repository

- Built a **browser-based tool** to analyze **JS/TS projects**, extracting all **function definitions** and **mapping** their **usages**.

Education

Bachelor of Technology in Computer Science & Engineering   **Expected May 2027**
Indian Institute of Information Technology, Kalyani   **CGPA: 8.52**

Relevant Courses: Data Structures & Algorithms, Operating Systems, Database Systems, Computer Networks, Software Engineering, Artificial Intelligence.

Higher Secondary   **2021**
St.Judes High School, Madhyamgram   **Score: 90.0%**

Secondary   **2019**
St.Judes High School, Madhyamgram   **Score: 92.4%**