Shreyashi Pal

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EDUCATION

Institute of Engineering and Management, Kolkata
B.Tech in **CSE (AI-ML)**, 2023-2027
CGPA: 9.36

12th Score: 93%, **10th Score: 96.2%**

SKILLS

Java, Python, HTML, CSS, Javascript, React, Tailwind CSS, Node.js, Express.js, Postman, Flask, REST APIs, JWT, MongoDb, Firebase, TensorFlow, Scikit-learn, Computer Vision (OpenCV, Mediapipe),Deep Learning (CNNs, RNNs, LSTMs),Gen-AI, RAG (Retrieval-Augmented Generation)

PROJECTS

- **KaamPao – (Empowering Local Workers with AI-Driven Job Connectivity)**   [Github Link]:
  - Built a **full-stack workforce-matching platform** for under-skilled workers (plumbers, electricians, labourers) using **React, Node.js, Express, and MongoDB**, powered by role-based **JWT authentication** and secure **REST APIs**.
  - Implemented **hyper-local geolocation** search with **Google Maps** APIs and integrated **LLM-driven assistance modules** (job suggestion, contract explainer, voice-to-resume) for enhanced accessibility.
  - Delivered a **scalable, mobile-first platform** using **Tailwind CSS** and **Shadcn UI**, featuring **multi-language support, voice-controlled interactions, and real-time language translation**; fully deployed on **Render**.

- **ProjexOne – (Smart Project Management and Automation Platform)**   [Github Link]:
  - Engineered a **one-stop task orchestration platform** enabling **HRs and project managers** to **create, allocate, and schedule tasks**, track employee progress, and visualize completion metrics through **interactive dashboards**.
  - Developed **automated reporting pipelines** with **Excel/CSV exports**, real-time task summaries, and automated **email document generation**, leveraging **Node.js, Express**.
  - Built a **scalable frontend** using **React, Tailwind CSS, Shadcn UI**, with **MongoDB** for data persistence, **JWT authentication**, secure **REST APIs**, and integrated **Calendly API** for scheduling virtual meetings.

- **QuitWell – (AI-Powered Oral Cancer Detection and Smoking Cessation Platform)**:   [Github Link]
  - Developed a **deep learning oral cancer detector** using **TensorFlow, MobileNetV2 (transfer learning)**, deployed with **Flask**, and evaluated model performance using **confusion matrix**.
  - Integrated **LLM-powered modules** including **Smoking Impact Health Risk Predictor**, **quit coach chatbot**, and **progress tracker** for effective smoking cessation guidance.

ACHIEVEMENTS

- Selected for the **Women Leadership Development Program (WLDP), PwC**

- Awarded the Vice Chancellor's Award for Overall Performance, **IEM**

CERTIFICATES

- **Artificial Intelligence and Machine Learning - Jadavpur University**:
- **Full-Stack Web Development - Apna College**   [Certificate link]: