Mokshad Sankhe

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EDUCATION

Drexel University, College of Computing and Informatics   Philadelphia, PA
Master's of Science in Artificial Intelligence and Machine Learning   **September 2025 – March 2027**

Vidyavardhi's College of Engineering and Technology   Vasai, India
Bachelor of Engineering in Artificial Intelligence and Data Science, GPA: 3.26   **August 2022 – May 2025**

Thakur Polytechnic   Kandivali, India
Post-Secondary Degree in Information Technology (Diploma), GPA: 3.48   **June 2019 – June 2022**

SKILLS

Programming Languages: C, C++, Java, Python, JavaScript, HTML, CSS
Technologies & Frameworks: FastAPI, PyTorch, React.js, Node.js, Express.js, Next.js, Bootstrap, Tailwind CSS
Operating Systems: Ubuntu (Linux), Windows, Virtual Machine environments
Applications & IDEs: VSCode, Eclipse, Git, Cloudflare, Microsoft Office (Word, Excel, PowerPoint), Figma, Wondershare Filmora, Vercel

EXPERIENCE

Software Development (SDE) Intern   **August 2024 – March 2025**
Scogo Networks Pvt. Ltd.   *Navi-Mumbai, India*

- Developed an LLM based automation system that fetch the specific types of email data with attachments and convert them into structured json for tickets creation using FastAPT, OpenAI Azure, AWS SES/S3 and pandas
- Developed an asynchronous and scalable backend to optimized concurrency to handle high amount of email data with the attachment files like csv or excel in real time
- Implemented Semantic data extraction, normalization and schema validation, making the Restful API able to integrate with companies CRM/ticketing platform, minimizing manual efforts by 90%

PROJECTS

MultiGPT - Multimodal Retrieval-Augmented Generation   May 2025

- Developed a scalable FastAPI backend with Uvicorn, implementing user authentication, chat history, document processing, audio transcription and image analysis with Multi-Language LLM interation
- Integrated MongoDB for document and history storage with security features like JWT, bcrypt and OPT verification reducing vulnerabilities by 80% and ensuring efficient operations
- Utilised Cloudfare AI, ElevenLabs and python libraries like pandas, pypdfium2 and matplotlib for chat responses, text-to-speech, file processing, transcript extraction and data visualization improving data retrieval efficiency by 60%

PCOS Assessment App — AI-Based Health Prediction System   May 2024

- Built and trained a machine learning model to predict PCOS risk from user symptoms and medical history in real-time for risk results
- Developed Restful API in python for authentication, questionnaire handling, secure data storage and exchange with frontend
- Implemented MongoDB to store user profiles, inputs and prediction history ensuring optimized backend interaction

ORGANIZATIONS

Technical Head   **June 2024 – May 2025**
National Students Data Corps, VCET   **Vasai, India**

Deputy Technical Head   **September 2023 – May 2024**
National Students Data Corps, VCET   **Vasai, India**

CERTIFICATIONS

Learn Machine Learning in 21 days, Udemy	August 2024
Machine Learning 101 Course, Guvi	June 2024
Java Programming Fundamentals, Infosys	November 2023
Generative AI Workshop, NxtWave	September 2023
Wondershare Filmora X Video Editing Online Course, Udemy	July 2023