EESHANI JHA

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Education

Degree	Institute/Board	CGPA	Year
B.Tech	National Institute of Technology Rourkela	8.08/10	2021 - 2025

Work Experience

- **Cloud & Data Tech Intern , Fractal Analytics** (*May '24 - July '24*)
  Gen - AI Project
  - Spearheaded the development of AI-driven solutions using cutting-edge large language models (LLMs) and natural language processing (NLP) techniques, automating critical business workflows and improving processing speed by 30 % .
  - Implemented complex backend systems using Django and PostgreSQL, achieving seamless integration between Gen-AI models and real-time data analytics, reducing latency by 20% .
  - Innovatively harnessed Microsoft Azure's cloud capabilities to scale AI models for enterprise use, optimizing both performance and cost efficiency by over 25% .
  - Led a cross-functional team to refine and deploy Gen-AI models in production, delivering solutions that directly impacted over 10,000 end-users across multiple industries.

Skills

- **Programming Languages:** C/C++, Python, JavaScript (Development)
- **Frameworks and Libraries:** Django, React.js, Node.js, Tensorflow, Keras, NumPy, Pandas, Matplotlib
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Cloud Platforms:** Microsoft Azure (AI and ML services), AWS
- **Tools and Platforms:** Git, Jupyter Notebook, Docker, VS Code, Pycharm, Anaconda, Windows
- **Automation Tools:** Python-based automation scripting, Microsoft Azure Automation
- **Soft Skills:** Leadership, Team Collaboration, Effective Communication

Key Projects

UPI FRAUD DETECTION PROJECT (*2025*)

Developed a machine learning-powered fraud detection system using XGBoost and Streamlit, analyzing transaction patterns to classify fraudulent transactions. Implemented real-time fraud prediction, bulk CSV processing, and a user-friendly web UI with a dark-themed design. Deployed the application on Streamlit Cloud, enabling users to detect fraud based on transaction amount, type, payment gateway, and location. Tech Stack: Python, Streamlit, XGBoost, Pandas, NumPy, Scikit-learn

AI-Powered Doctor Bot with Vision and Voice PROJECT (*2025*)

Developed an AI-driven virtual doctor bot using Gradio, gTTS, and Whisper for multimodal diagnosis. Integrated speech-to-text (STT), text-to-speech (TTS), and vision-based analysis to process user queries, analyze medical images, and generate human-like voice responses. Implemented Groq API and LLaMA 3 for medical reasoning and insights, ensuring a seamless interactive experience. Tech Stack: Python, Gradio, gTTS, Whisper ASR, Groq API, LLaMA 3, OpenAI API, Hugging Face Transformers

AI-Powered Resume Analyzer LinkedIn Job Scraper PROJECT (*2025*)

Developed an AI-powered resume analysis tool integrated with a LinkedIn job scraper. Utilized Cohere's NLP model to extract key insights from resumes, including strengths and weaknesses. Implemented Selenium-based web scraping to automate job searches on LinkedIn. Built with Streamlit for an interactive UI, ensuring seamless user experience. The project enhances job search efficiency by providing AI-driven resume evaluation and real-time job recommendations.

Quicksnip – Code Snippet Management Platform PROJECT (*2025*)

Developed a full-stack web app for managing and searching code snippets. Implemented Google GitHub authentication and Firebase for storage. Built with React, TypeScript, Firebase, and React Router for seamless navigation.

Positions of Responsibility

- Algorithmic Programming Society (APS), NIT Rourkela, Member (*2022 - present*)
- CORE Team member at NITRUTSAV Fest (*Feb 2024*)
- Content Team coordinator at VRRIDHI Fest (*Oct 2023*)