

MANJIT ROY

FULL STACK DEVELOPER

Bengaluru, India | roymanjit28@gmail.com | +91 9663094359 | LinkedIn Profile | GitHub Profile

Profile

Python Developer with over 4 years of experience in Python, deep learning, cloud technologies, and front-end frameworks (React, Angular). Skilled in AWS services, including serverless computing. Optimized CI/CD pipelines, reducing deployment time by 40%, and automated infrastructure provisioning, cutting manual effort by 60%. Improved application performance by 35% through efficient system design.

Skills

- Backend:** Python, Flask, Django, FastAPI, REST API, AI (Gemini), Scalable Backend Architecture, DataStructures
- Databases:** PostgreSQL, MySQL, Azure SQL
- Machine Learning & AI:** TensorFlow, PyTorch, Scikit-learn, NumPy, Pandas, Llama Index, Langchain, RAG
- Cloud & DevOps:** AWS (S3, EC2, Lambda, RDS), Azure (Cloud Migration, Networking, SQL), Docker, CI/CD
- Frontend & Tools:** ReactJS, Angular, KonvaJS, Axios, Git, Google Docs API, Postman, Bash Scripting

Work Experience

Application Development Analyst - Full Stack Developer

Accenture, Bengaluru, India

August 2024 – Present

- Developed Flask API for seamless file uploads, code parsing, and frontend integration, boosting operational efficiency by 40% (GenArd project).
- Built LangChain-orchestrated AI pipeline with SequentialChain architecture, integrating Gemini LLMs for automated code analysis and structured JSON extraction.

Image Annotation Project (Simultaneously Maintained)

Accenture, Bengaluru, India

August 2024 – Present

- Developed Django-based APIs for efficient handling of annotated images, reducing processing time by 35% (Ultimo Project).
- Incorporated React with KonvaJS for interactive annotations, enhancing user precision by 50% and reducing annotation time by 40%.
- Streamlined real-time rendering processes, improving system performance by 45% and user experience.

Application Development Analyst - Full Stack Developer

Accenture, Bengaluru, India

November 2022 – August 2024

- Implemented development and deployment of machine learning models using TensorFlow, PyTorch, and Scikit-learn, accelerating inference speed by 35% (ISAMI Project).
- Optimized training data ingestion pipelines with NumPy and Pandas, reducing execution time by 40% and enhancing model scalability.
- Built a React-based frontend to visualize and manage model results, enabling seamless interaction and improved user experience.

Associate Software Engineer - Backend Developer

Accenture, Bengaluru, India

December 2021 – October 2022

- Modernized the on-prem PDS server and SOTI website by migrating to Azure Cloud, boosting reliability by 50%.
- Enhanced Azure Networking configurations to improve cloud communication efficiency and performance by 25% (Metrolinx project).
- Refactored SQL queries for seamless cloud compatibility, accelerating database performance and cutting query execution time by 30%.

Education

- Bachelor of Technology in Information Technology**

North Eastern Hill University (NEHU), 2017 – 2021

- Achievement:** Won top recognition in Accenture-Google Gen AI Hackathon among 500+ participants; developed Harmony AI, an AI-driven music composition tool on Google Cloud, creating 10+ songs across genres.