

Abhisek Mohanty

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Professional Summary

Software Engineer with 3+ years of experience specializing in Python backend development (FastAPI) and building scalable applications. Demonstrated expertise in integrating Generative AI capabilities, optimizing data pipelines, and deploying machine learning models. Adept at leveraging AWS infrastructure and modern ML frameworks (PyTorch, Scikit-learn) to architect intelligent, data-driven solutions. Passionate about clean code, scalable architecture, and large language models (LLMs).

Technical Skills

- **Programming Languages:** Python, TypeScript, JavaScript, SQL, Java
- **AI & Machine Learning:** Generative AI, Large Language Models (LLMs), Transformers, PyTorch, Scikit-learn, Pandas, Neural Networks, Decision Trees, Linear Regression
- **Backend & Cloud Frameworks:** FastAPI, RESTful APIs, AWS (EC2, IAM Identity Center), Spring Boot
- **Frontend & Databases:** Angular, React.JS, HTML/CSS, MySQL, Oracle SQL
- **Tools & Version Control:** Git, GitHub, Postman, Linux

Professional Experience

Techfino Capital Private Limited

Software Engineer

Bengaluru, India

Aug 2024 – Present

- Engineered and maintained robust backend services using **Python** and **FastAPI** for an MSME lending platform focused on Loan Against Property (LAP).
- Integrated **Generative AI** capabilities into the Loan Origination System (LOS) to streamline document collection, data extraction, and credit assessment workflows.
- Developed scalable REST APIs to facilitate seamless data flow between the Angular frontend and Python backend, ensuring high availability and low latency.
- Optimized backend data processing for the Loan Management System (LMS), improving the efficiency of loan disbursement and repayment tracking.

Techfino Capital Private Limited

Support Engineer

Bengaluru, India

Jan 2024 – Aug 2024

- Provided comprehensive production support for backend LOS/LMS platforms, monitoring system health and data integrity.
- Debugged and resolved critical issues in live loan processing workflows, minimizing downtime for MSME clients.

JSpiders – Training & Development Center

Software Development Intern

Bengaluru, India

Feb 2023 – Dec 2023

- Built full-stack applications utilizing Java, React.JS, and SQL, focusing on secure backend architecture and responsive user interfaces.
- Designed relational database schemas using Oracle SQL and implemented ORM using Hibernate.

Technical Projects & Startups

Cophylla Homes.com

Co-Founder

Bhubaneswar, India

Oct 2019 – Dec 2021

- Built and managed an online architecture and construction portal to organize the local construction ecosystem.
- Oversaw project delivery and digital strategy, ensuring 100% client satisfaction across multiple initiatives.

Certifications

- Attention in Transformers: Concepts and Code in PyTorch
- How Transformer LLMs Work
- Supervised Machine Learning: Regression and Classification
- Advanced Learning Algorithms
- Introduction to Cloud Computing on AWS for Beginners
- Probability and Statistics for Business and Data Science
- Database Management System

Education

Eastern Academy of Science & Technology

Bachelor's Degree, Civil Engineering

May 2018 – Oct 2022