

FARDEEN KHAN

+91-7875480973 | khanfardeen833@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | Pune, India

PROFESSIONAL SUMMARY

AI Engineer with expertise in Generative AI, Cloud Architecture, and Big Data Engineering. Experienced in developing intelligent automation systems using CrewAI and building scalable data pipelines on AWS. Strong problem-solving skills with 700+ competitive programming solutions.

TECHNICAL SKILLS

AI/ML: Generative AI, Agentic AI, CrewAI, AutoGen, Prompt Engineering, Machine Learning, Deep Learning, LLM Integration

Cloud & Big Data: AWS (S3, Lambda, Glue, Athena, QuickSight, EC2, RDS), GCP, PySpark, Hadoop, Hive, Airflow

Programming & Tools: Python, C++, JavaScript, SQL, ReactJS, NodeJS, Docker, Git, Linux, Power BI, DataStage

PROFESSIONAL EXPERIENCE

AI Engineer

Fractal Analytics

Feb 2024 – Present

Pune, Maharashtra

- **Agent Twin Project:** Developed workflow automation using CrewAI/AutoGen, reducing manual processing by 70%
 - * Built API integration agent for GET/POST requests; Created Python code analysis workflow with AST parser
 - * Implemented code optimization agents for refactoring and performance enhancement
- **HSBC Enterprise Data Platform:** Engineered 15+ ETL pipelines processing 10M+ records daily
 - * Built BigQuery SQL pipelines and DataStage workflows from RDL to CDL with 99.9% uptime
 - * Automated Airflow pipelines and developed Python validation scripts ensuring data integrity

Big Data and Cloud Engineer Trainee

Abzooba Inc.

Jul 2023 – Dec 2023

Pune, Maharashtra

- Architected serverless AWS data pipeline (S3, Lambda, Glue, Athena) processing 5GB+ daily data
- Developed Lambda functions for data cleansing/Parquet conversion; Configured Glue Crawlers for schema inference
- Implemented real-time analytics with Athena and QuickSight dashboards for executive reporting

EDUCATION

Bachelor of Technology in Information Technology

MIT Academy of Engineering

2019 – 2023

CGPA: 8.76/10

KEY PROJECTS

SocialCloud Architecture – Scalable Social Media Platform

[GitHub](#)

- Designed cloud architecture for 100K+ concurrent users with Multi-AZ RDS, Auto Scaling, and Load Balancing
- Integrated CloudFront CDN reducing latency by 60%; Configured S3 lifecycle policies for cost-effective storage
- **Tech:** AWS EC2, ELB, Route 53, CloudFront, S3, RDS MySQL

AI-Powered Code Optimization System

Personal Project

- Developed code analysis system using CrewAI and GPT-4; Implemented AST parser for Python structural analysis
- Created multi-agent system reducing code complexity by 40% while maintaining functional equivalence
- **Tech:** Python, CrewAI, AST, OpenAI API, pytest

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- GATE 2022 Qualified
- Fractal Big Data Engineer Certified
- Fractal PySpark Developer Certified
- Full Stack Web Development (Coursera)
- NPTEL IoT - IIT Kharagpur (Top 1%)

ACHIEVEMENTS

- Solved 700+ coding problems (LeetCode, GFG)
- TCS NQT - 90th percentile
- Smart India Hackathon 2022 Qualifier
- Hacktoberfest 2021 Contributor
- CodeChef 3-star rated programmer
- 30 Days of Google Cloud Certified