


Abhijit Gurupada Chakraborty

Full-Stack Python
Engineer | Data
Engineering | DevOps |
AI/ML | AWS

📞 9145581357  linkedin

 Github  Pune, Maharashtra

 chakrabortypythonabhijit@gmail.com

 NA

Technical Skills

Programming & Languages: – Python, Django, Flask, FastAPI, DRF | PyTest, Shell Scripting (Bash)

Backend & APIs – REST APIs, GraphQL, gRPC | Redis Caching, JWT, OAuth2

Databases – PostgreSQL, MongoDB, Redis | SQLAlchemy, DynamoDB

Data Engineering – PySpark, Pandas, Kafka, Celery, AsyncIO

Cloud & DevOps – AWS (EC2, S3, Lambda, Glue) | Docker, GitHub Actions, Terraform | CI/CD Automation, Nginx, Unicorn

Frontend & UI – Streamlit, React.js (basic), HTML5, CSS3 | Plotly, Dash (for data dashboards)

AI/ML – TensorFlow, PyTorch, Scikit-learn | NLP (Transformers), Computer Vision | OpenAI API

Monitoring & Logging – Grafana, Prometheus, ELK Stack

Soft Skills

- Problem-Solving & Critical Thinking
- Leadership & Team Collaboration
- Effective Communication

Educational Details

MBA (IT),
ASM IBMR, Pune University
2012 – 2014 | Pune

BBA (IB), MMCC, Pune University
2009 – 2012 | Pune

HSC (Computer Science),
KVSC (CBSE)
2007 – 2009 | Pune

Certificates

Certificate in Python Programming,
Mar 2023
Sanfoundry

Certified Python Programmer, Jan
2022 – Apr 2022
CloudSleet

Summary

Results-driven Python Engineer with 3 years of experience delivering **enterprise-scale applications, cloud-native data solutions, and AI-driven platforms**. Recognized for building resilient systems that improve **performance, scalability, and reliability**, while reducing operational costs and development cycles. Proven track record of enabling **business impact through automation, data insights, and secure digital platforms** across finance, retail, and logistics domains. Passionate about leveraging Python and modern engineering practices to create **end-to-end solutions** that drive measurable outcomes.

Current Position: Responsibilities, Achievements & Career Highlights

Beltronic Consultancy Pvt Ltd, Software Engineer

Sep 2022 | Pune

Client: Hexaware Technologies

Team Size: 7

Project 2: Enterprise Data Integration Platform (Finance & Logistics)

- Built a cloud-native, modular data pipeline on AWS with DevOps automation and AI-driven components, enabling real-time analytics, reducing latency by 35%, and cutting manual aggregation by 60%.

Project 1: Omnichannel E-Commerce Platform (Retail)

- Developed a scalable digital retail platform with secure payments, personalized recommendations, and DevOps-enabled deployments, while experimenting with AI/ML models to enhance customer experience.

Tech Stack: Python|Django|JavaScript|AWS (EC2, S3, Glue, Lambda, Redshift, DynamoDB)|PySpark|REST APIs|JWT|Docker|GitHub Actions|Jenkins

Role & Responsibilities:

- Built AWS-based modular data pipelines with **35% lower latency** and **60% less manual effort**.
- Delivered scalable e-commerce platform with secure payments, personalization, and **AI-driven insights**.
- Built full-stack features using React.js components, secure payments, and API integrations, delivering end-to-end user experiences in both retail and enterprise data platforms.
- Engineered multi-model database solutions (PostgreSQL, MongoDB, Redis, DynamoDB, Neo4j) for both transactional and analytical workloads, enabling real-time insights.
- Implemented infrastructure-as-code and containerized workloads on AWS and basic Kubernetes to guarantee scalability, fault tolerance, and environment consistency.
- Prototyped AI/ML models using TensorFlow and PyTorch for NLP-based recommendation engines, predictive analytics, and personalized data-driven features.
- Collaborated closely with product, QA, and AI/ML teams to design, deploy, and validate data-driven features, including NLP-based recommendation engines and customer personalization models.
- **Key Outcomes:**
 - Reduced API latency **40%** via Redis & query optimization.
 - Increased ingestion throughput **30%** (PySpark + Kafka).
 - Automated CI/CD pipelines → releases **50% faster**.
 - Ensured **99% uptime** with observability & IaC.
 - Integrated AI/ML models for personalized recommendations and predictive analytics, improving user engagement and actionable insights.

Personal Projects & Technical Implementations

- **AI-based Text Classifier (ML/NLP):** AWS Lambda + TensorFlow/PyTorch → 50K+ docs/day.
- **IoT Data Pipeline:** FastAPI + AWS Glue → 5K+ IoT devices.
- **Real-Time Dashboard:** Streamlit + Plotly → live KPIs from APIs/CSVs.

Internship Experience

StepStrong Software Pvt Ltd, Software Trainee

Feb 2022 – Aug 2022 | Pune

- **Developed optimized Python scripts** for efficient data parsing, validation, and integration with relational and NoSQL databases, improving ingestion speed and reliability.
- **Implemented data cleaning and preprocessing pipelines** to handle missing values, duplicates, and inconsistent formats, ensuring high-quality datasets.
- **Leveraged Pandas** for large-scale data manipulation, transformation, and analytical processing, enabling streamlined reporting and insights for downstream applications.