ABRAR BIN ROFIQUE

Python & AI Engineer ‖ Backend Developer ‖ Django ‖ FastAPI ‖ LangChain ‖ RAG Systems

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Graduate AI Engineer at FlowgenX AI with hands-on experience in backend development, API integration, and AI-driven automation. Skilled in **Django**, **FastAPI**, and **PostgreSQL** with a strong foundation in **data pipelines,** cloud **integration**, and retrieval-augmented generation (RAG). Experienced in designing and implementing **OpenAPI specifications** for over 100+ platform integrations, ensuring seamless interoperability across systems. Proficient in vectorization workflows and vector databases such as **Chroma** and **Pinecone,** leveraging them for context-aware **RAG** pipelines. Possess solid knowledge of **AWS** and **Google Cloud Storage** (GCS) for scalable data and model management. Passionate about building intelligent, data-driven systems that bridge AI engineering and backend architecture for real-world impact.

Work Experience

FlowGenx AI, Graduate AI Engineer
San Francisco, USA (Remote) │ Jan 2025 – Present

- Implemented **OAuth2-based authentication** and token security workflows across multiple connectors for safe and scalable API access.
- Engineered native and external connectors for over 100+ platforms, including **Jira**, **AWS**, **Google Cloud Storage (GCS)**, ServiceNow, Microsoft Teams, Outlook, and more.
- Developed and maintained vector-based retrieval systems (VectorVerse) utilizing multiple vector database for RAG (Retrieval-Augmented Generation) pipelines.
- Built internal API routing components to **automate workflow** orchestration, enabling seamless integration between connectors and AI modules.

Arbor AI Studio, Full Stack Developer
Canada (Remote) │ Oct 2024 – Dec 2024

- Contributed to an ATS (Applicant Tracking System) AI project using **Express.js**, **React**, and **Tailwind CSS**.
- Integrated Google Cloud APIs for data enrichment and automation.
- Managed version control and team collaboration using Git/GitHub.

SKILLS

- **Languages: Python ‖ JavaScript ‖ C ‖ C++ ‖ SQL**
- **Frameworks: Django ‖ FastAPI ‖ Express.js ‖ React.js ‖ LangChain**
- **AI & Data Engineering: RAG ‖ Vector Databases (Chroma, Pinecone) ‖ Vectorization ‖ MCP ‖ ETL Pipelines ‖ Apache Airflow**
- **Cloud & Deployment: AWS ‖ Google Cloud (GCP) ‖ Render ‖ Vercel ‖ Supabase**
- **API & Integration: OpenAPI Specifications ‖ REST API ‖ OAuth2 ‖ JWT ‖ Connector Integrations**
- **Databases: PostgreSQL ‖ MySQL ‖ MongoDB**
- **Tools: Git ‖ Docker ‖ Cloudinary ‖ Jira ‖ SSLCommerz ‖ GitHub**
- **Soft Skills: Problem Solving ‖ Collaboration ‖ Adaptability ‖ Continuous Learning**

Education & Certification

Shahjalal University of Science & Technology (SUST)
B.Sc. in Geography and Environment │ 2020 – 2025

- Phitron Fall 2023: C, C++, Data Structures, Python, MySQL, Django
- Future Ready Bangladesh – GP Academy
- Regional Bio Olympiad 2018 – Second Runner-Up

PROJECTS

Homper (Django REST + React)
- Home service platform enabling users to book and review services.
- Implemented secure payment via SSLCommerz and full admin control for order management.

NoMad (Travel & Social Platform)
- Django-based platform allowing users to plan group travels and chat within travel groups.
- Developed friend request and group-join logic with seat-limiting features.

Weather Data ETL Pipeline (Airflow + PostgreSQL)
- Automated weather data collection and transformation via Open-Meteo API.
- Scheduled and monitored ETL workflows using Apache Airflow for scalable ingestion.