Sooraj Aryan
Software Developer Engineer

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SKILLS

Languages & Frameworks: Python, JavaScript (ES6+), TypeScript, Java, React.js, Django, FastAPI, Flask
Database & Data : SQL (PostgreSQL, MySQL), NoSQL (MongoDB), Django ORM
APIs & Messaging : RESTful APIs, WebSockets (Django Channels), Celery, RabbitMQ, Microservices Architecture
Tools & DevOps : Docker, Git & GitHub, GitLab CI/CD, JIRA, PyTest, Redis ,AWS
Machine Learning & Modeling: Regression, Classification, Random Forest, scikit-learn, pandas, NumPy, Power BI

WORK EXPERIENCE

Software Developer Trainee - HulkHire   *October 2025 - Present | Hyderabad (Remote)*
- Contributed to backend development projects using Java , **Python (Flask and FastAPI)** and **RESTful APIs**.
- Integrated **PayPal payment gateway** using the Python SDK and optimized API performance through asynchronous request handling.
- Assisted in developing and testing **microservices** for scalable modular architecture.
- Participated in **code reviews, unit testing (PyTest)**, and **API documentation** using Swagger and Postman.

Python Data Analyst - Adani Group   *June 2024 – June 2025 | Ahmedabad,India*
- Collected and preprocessed manufacturing data (Vertical Roller Mill) using **Python** and Excel.
- Developed basic machine learning models to analyze energy usage and created Power BI dashboards to visualize operational metrics.
- Identified data patterns for operational improvements and collaborated with the team to ensure data quality and consistency.

RECENT PROJECTS

AI-Powered Chat Application | Github | Weblink   *October 2025 – Present*
*A **full-stack monolithic web application** that leverages a third-party AI model to provide real-time conversational responses, storing complete chat history.*
- **Technologies:** Python, FastAPI, Flask, MongoDB, React, REST API, Railway (Cloud Deployment), Mistral AI
- Integrated **Mistral AI** using authenticated Bearer Token API calls for dynamic response generation.
- Designed REST endpoints for **chat history retrieval, persistence, and session management**.
- Implemented **MongoDB storage** for all chat logs (queries, responses, timestamps) using PyMongo and ODMantic.
- Configured production deployment on **Railway**, managing environment variables securely for API keys and database URIs.
- Built a **React frontend** that interacts seamlessly with the FastAPI backend through Axios for real-time updates.

Real-Time AI Code Review Platform | Github   *October 2025 – Present*
Technologies: | Python (Django, DRF, Celery), React.js, WebSockets, RabbitMQ, Redis, Groq/LLM, Docker, GitHub API
- **Engineered** an **asynchronous** and **real-time** backend pipeline for code analysis, utilizing **Celery** and **RabbitMQ** to process computationally heavy LLM requests without blocking the main application thread.
- **Developed** a core messaging service using **Django Channels** and a **Redis** layer to broadcast AI analysis results directly to the user's browser via **WebSockets**.
- **Implemented** the full user authentication flow via **GitHub OAuth2** to fetch and display user repositories and file contents securely in a dynamic **React** interface.
- **Integrated** the **Groq API** into the background task queue to perform detailed, expert-level bug detection and optimization.
- **Designed** the decoupled architecture (React frontend / Django REST backend) and containerized dependencies (RabbitMQ, Redis) using **Docker** for local development, ensuring production readiness.

EDUCATION

Marketing & Analytics | MSRIM Bengaluru | 2022 – 2024
Electrical Engineering | Gov. Engineering College Bikaner | 2016 – 2020

CERTIFICATIONS

- Machine Learning by DeepLearning | Certificate
- IBM Generative AI Engineering Specialization | Certificate
- IBM Full Stack Software Developer | Certificate

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