

# Mehfooj

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## Skills

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**Programming Languages:** Python, SQL, Java

**Frameworks & Tools:** FastAPI, Flask, Docker, Git, Alembic

**Databases:** PostgreSQL, MongoDB Atlas, MS SQL Server

**Cloud:** Google Cloud Platform (GCP)

**AI/ML:** Scikit-learn, PyTorch, LangChain, Agents, NLP, GenAI, pandas, NumPy, Matplotlib,

## Experience

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### Open Source Developer

Apr 2025 - Present

*Open Food Facts, Remote*

- Refactored Robotoff's import logic to eliminate outdated predictions and added integration tests
- Contributed to backend + ML layers in a global open data platform for food transparency

### Data Analyst Intern

Mar 2025 - Jul 2025

*KultureHire, Remote*

- Delivered hiring insights using Power BI by analyzing 10k+ datapoints
- Uncovered patterns that influenced branding and improved recruitment strategy

### Postman Student Expert

Jul 2024 - Jan 2025

*Postman, Remote*

- Built and deployed AI summarizer app using Hugging Face + Express.js
- Completed API certification and led outreach for 3+ tech communities

## Projects

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### Multimodal AI Assistant with Langflow

Built interactive AI app using Langflow, Streamlit, Astra DB, and multiple LLMs to route tasks across intelligent agents with visual flow-based frontend.

### Note-Taking API (FastAPI + MongoDB)

Designed production-ready API with FastAPI and MongoDB Atlas supporting token-based authentication and clean CRUD operations.

### Issue Tracker API (Flask + PostgreSQL)

REST API with role-based access control, JWT authentication, Dockerized PostgreSQL, and Alembic migrations for production readiness.

## Open Source Contributions

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**Robotoff, Open Food Facts:** Refactored category prediction logic, added integration tests, improved AI-driven cleanup for global food transparency platform.

**LFS Scanning (CNCF):** Enhanced SPDX/SBOM structure, added copyright fields, improved cross-platform compatibility and test coverage.

**Google Cloud Functions (FaaS):** Enhanced CLI with env flags for local testing, improved coverage tooling and test feedback mechanisms.

## Education

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### Bachelor of Technology in Computer Science

Jul 2023 - Jul 2027

*Maharshi Dayanand University*

Core coursework in computer architecture, systems programming, and Linux kernel with strong foundation in algorithms and backend development.

### Startup School, Business & Product Fundamentals

Dec 2024 - Jan 2025

*Y Combinator*

Selected participant exploring lean startup principles, user discovery, MVP iterations, and founder-led growth strategies.

## Certifications

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OpenAPI Fundamentals — **The Linux Foundation**

Large Language Models and Generative AI — **GCP**

Basics of Cloud Compute — **Google Cloud platform**

Applied Generative AI 101 **Pieces for Developers**