

ABHIGYAN KUMAR

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PROFESSIONAL SUMMARY

Entry-level developer with experience in Machine Learning and backend development, skilled in Python, FastAPI, and data-driven applications. Built end-to-end projects integrating ML models with APIs and user interfaces. Open to Data Science, AI, or Full Stack roles where I can build and deploy impactful solutions.

EDUCATION

The National Institute of Engineering (NIE), Mysore

2023 – 2027

B.E. in Information Science and Engineering

CGPA: 8.2

TECHNICAL SKILLS

Languages: Python, C, C++

Core CS: Data Structures, Algorithms, OOP, Operating System, DBMS, Computer Networks

ML & GenAI: Scikit-learn, LangChain, RAG, LLM APIs

Libraries / Frameworks: Pandas, NumPy, Django, FastAPI, Flask, React.js, Node.js, Express.js, TailwindCSS

Databases: MongoDB (Mongoose ODM), MySQL

Tools & Services: Linux, Git, GitHub, Docker, JWT

PROJECTS

Fake News Detector | *Machine Learning, Flask, NLP* | [GitHub](#) | [Live](#)

- Built a full-stack ML web app that classifies news articles as Fake or Real using NLP techniques.
- Implemented TF-IDF vectorization and Logistic Regression achieving binary classification with real-time predictions.
- Deployed on Render with a Flask backend, containerized via Docker, and served a clean HTML/CSS frontend.

AaharSetu : Food Waste Redistribution Platform | *FastAPI, PostgreSQL, Jinja2* | [GitHub](#)

- Built a full-stack platform connecting food donors (restaurants/households) with NGOs/receivers to reduce food waste, using FastAPI, SQLAlchemy, and PostgreSQL
- Implemented JWT-based authentication with role-based access control (donor, receiver, admin) to secure APIs
- Designed a listing lifecycle system (available → claimed → picked up → expired) with atomic claim handling to prevent race conditions on concurrent claims

Review Resume RAG | *Generative AI, LangChain* | [GitHub](#)

- Built a Retrieval-Augmented Generation (RAG) system for automated resume feedback using LangChain.
- Implemented retrieval pipelines to improve contextual response generation over static resume content.

ADDITIONAL

Soft Skills: Team Collaboration, Time Management, Fast Learner

Interests: Generative AI, Competitive Programming, Watching Sports & Anime, Travelling