MITHUN MS

AI & ML / Full Stack Developer

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SUMMARY

AI & Full Stack Developer with a passion for building meaningful, user-focused applications. Experienced in developing full-stack solutions and exploring AI technologies, including Agentic AI, to support real-world use cases in a thoughtful and effective way.

SKILLS

Programming Languages

- Java - OOPS, C, Python

AI / ML

- Python, TensorFlow, PyTorch, Scikit-learn
- Transformers, Attention, RAG, NLP, Agentic AI
- LangChain, Phidata, n8n

Full Stack

- HTML, CSS, JavaScript, Java
- Spring Boot, React.js, Flask
- REST APIs, MySQL, MongoDB, Git, Netlify

Tools & Others

- Jupyter, Azure Vision, Power BI, Vscode, Intellij Idea
- Data Preprocessing, Feature Engineering, Predictive Modelling

Soft Skills

- Creativity, Critical Thinking, Leadership
- Problem Solving, Collaboration, Time Management

EDUCATION

- **B.Tech in AI & ML**
  Saveetha Engineering College   **2022–2026**
  Currently pursuing.
- **HSC (12th Grade)**
  Vidhya Giri HR. Sec. School   **2022**
  Scored 89.5%.

CERTIFICATIONS

- **Generative AI Course** by GUVI
- **Introduction to Deep Learning** by Infosys SpringBoard
- **Artificial Intelligence Bootcamp** by NOVITech R&D
- **Power BI Workshop** by Tech Tips

PROJECTS

- **Power BI Dashboard for Sales Data Analysis** — **June 2024**
  Designed an interactive dashboard for e-commerce sales analysis, leveraging **data visualization and statistical insights** to drive business decisions.

- **Medical Chatbot (Combining Traditional and Gen AI)** — **Sept 2024**
  Developed a Flask-based chatbot with LLaMA 3.1 and **RAG (Retrieval-Augmented Generation)** for medical diagnoses.

- **AI-Powered Quiz Maker App** — **Aug 2024**
  Built an AI-powered app to generate quizzes using **NLP and LLMs**.

- **Temperature Prediction Model** — **Sept 2024**
  Created a stacked ensemble model (LGBM, RandomForest, AdaBoost) for weather forecasting using **Neural Networks**. Applied **feature engineering and data preprocessing** to improve model accuracy.

- **Contextual Spell Correction using LLaMA** — **July 2024**
  Implemented spell correction for Excel datasets using **LLM**. Leveraged **data science workflows** for cleaning and transforming text data.

- **MyNotes App** — **March 2024**
  Developed a full stack notes application using **React**, **Spring Boot**, and **MySQL**, with a focus on simplicity and basic CRUD functionalities. Helps students take subject notes.

EXPERIENCE

- **AI/ML Intern, AI and ML InternPe** — **Apr 2024 – May 2024**
  Worked on AI/ML projects using Python, Scikit-learn, and data preprocessing. Applied **data science techniques** to analyze and visualize datasets.
- **AIML Intern, Winvinaya Infosystem, Bangalore** — **July 2024**
  Enhanced data processing with spell correction and multi-language text extraction using advanced AI techniques like NLP and LLMs. Utilized **data science methodologies** for data cleaning and transformation.

HACKATHON EXPERIENCES

- **IIT Shaastra's AIML Challenge 1 & 2**
- **SRMIST Datathon**
- **Intel oneAPI Hackathon**
- **IBM Z Datathon**
- **Industrial AI Hackathon (IIT Madras)**