

Mohammed Shaaz Sharafuddin

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Professional Summary

Electronics and Communication Engineering student with hands-on experience in data analytics, machine learning, and full-stack web development. Proficient in Python, JavaScript, and data tools like Pandas and Scikit-learn. Completed multiple internships and real-world AI projects including health prediction systems and AI-driven resume builders. Strong problem-solving, communication, and teamwork skills. Seeking opportunities in data-driven and AI-focused roles.

Technical Skills

Programming: Python, JavaScript, R, C, HTML, CSS, SQL, Node.js

Frameworks/Libraries: React, Next.js, FastAPI, Express.js, Scikit-learn, Pandas, NumPy, Matplotlib, SHAP

Tools: GitHub, VS Code, Firebase, Power BI, Microsoft Excel, Arduino IDE, Figma

Machine Learning: Supervised Learning, Model Evaluation, SHAP, XGBoost

Data Visualization: Matplotlib, Power BI, Excel Charts

Soft Skills: Team collaboration, Proactive mindset, Adaptability

Languages: English, Malayalam, Hindi

Education

Bachelor of Engineering (Electronics and Communication Engineering)

Christ College of Engineering

Jan 2023 – Jan 2027

Projects

MedPrompt+ – AI Health Assistant (Next.js, FastAPI, XGBoost)

Developed a full-stack AI health assistant for predicting health risks using XGBoost. Included PDF/image parsing, a chatbot via OpenRouter, and data visualization dashboards for metrics like BMI and glucose levels.

Autoflow – (Next.js, FastAPI, Python)

Developed AutoFlow, a workflow automation system integrating AI models (GPT, Claude, Gemini, Llama) with real-time execution, scheduling, and communication tools (Email, Twilio, Discord)

AI Resume Builder (Next.js, Firebase, Gemini AI)

Created an intelligent resume platform that offers AI-suggested bullet points, grammar correction, and PDF export. Supports live template previews and secure cloud storage with anonymous login.

Student Performance Predictor (FastAPI, Scikit-learn, SHAP)

Built a predictive web app for identifying at-risk students using Random Forest, SVM, and

Gradient Boosting. Included SHAP-based model explainability and real-time academic recommendations.

Experience

Full Stack Developer Intern – Vaultofcodes Jun 2025 – Jul 2025

- Designed and deployed a personal portfolio and a recipe app using HTML, CSS, and JavaScript.
- Developed a weather chatbot using Next.js, OpenWeatherMap API, and Gemini AI for intelligent responses.
- Utilized GitHub for version control and implemented responsive UI enhancements.

Data Analytics & ML Intern – Shell May 2025 – Jun 2025

- Performed exploratory data analysis and preprocessing on carbon emissions data using Pandas and NumPy.
- Used Python libraries to train and evaluate predictive models; visualized insights using Matplotlib and created an interactive model using python.

Certifications

- Career Essentials in Generative AI – Microsoft + LinkedIn
- Data Analysis with Python – IBM
- Python Essentials – Cisco
- Data Science for Engineers (Elite Grade) – NPTEL
- Full Stack Development Bootcamp – Dev Town
- Data Science Bootcamp – GeeksforGeeks
- Master Data Analysis (Python, SQL, Power BI, AWS) – Udemy

Links

- Certification: [link](#)
- LinkedIn: linkedin.com/in/shaazsharafuddin-098a1628b
- GitHub: github.com/SHXZ7