Md Shahnawaz Alam

Hyderabad, Telangana

mdshahnawazz0806@gmail.com — +91-7808666282 LinkedIn — GitHub

Professional Summary

Full Stack Developer skilled in designing and building scalable web applications using React.js, Node.js, Express.js, and Python. Proficient in developing responsive frontends, robust backends, and managing databases with MySQL and MongoDB. Experienced in creating and consuming REST APIs, testing with Postman, and deploying applications on AWS. Strong knowledge of version control (Git/GitHub) and Agile development practices. Adept at delivering end-to-end solutions that improve user experience, system performance, and business outcomes.

Core Skills

- **Programming Languages**: Python, Java, JavaScript
- **Frontend**: HTML, CSS, React.js
- **Backend**: Node.js, Express.js
- **Databases**: MySQL, MongoDB
- **APIs & Testing**: REST APIs, Postman
- **Version Control & Collaboration:** Git, GitHub
- **Cloud & Deployment:** AWS
- **Other Tools**: Pandas, NumPy, Tableau, Power BI

Experience

Full Stack Developer Intern Infinitminds Digital lab – Patna | Jan 2025 – Jun 2025
- Built and maintained web applications using React.js, Node.js, and Express.js.
- Developed REST APIs and worked with databases (MySQL, MongoDB).
- Assisted in UI design, deployment, and AWS cloud integration.

Projects

- **Crop Disease Classification (Deep Learning)**
  - Developed a CNN-based AI model to classify diseases in potato, tomato, and pepper plants.
  - Achieved 99% accuracy; enhanced agriculture analytics with AI-based insights.
  - Tech Stack: TensorFlow, Keras, OpenCV, Python

- **Hypertensive Retinopathy Detection (Healthcare AI)**
  - Built a deep learning system for early-stage medical diagnosis, deployed via Streamlit for real-time use.

– Tech Stack: PyTorch, OpenCV, Python, Streamlit

• **AI ChatBot (NLP & Generative AI)**
  – Designed a chatbot using LangChain, Wikipedia API Wrapper, and OpenAI GPT models.
  – Enabled human-like interactions through NLP and custom prompt engineering.
  – Tech Stack: Python, OpenAI API, Streamlit.

• **Movie Recommendation System**
  – Created a collaborative filtering-based ML engine for personalized movie suggestions.
  – Tech Stack: Python, Pandas, Scikit-Learn

Education

2020 – 2024

B. Tech in Computer Science (AI/ML)
KG Reddy College of Engineering and Technology, Hyderabad CGPA:
6.36/10

Certifications

- Python Programming – Great Learning
- Supervised Machine Learning – Coursera
- MySQL Development Mastery – Udemy
- Cybersecurity Foundations – LinkedIn Learning
- Project Management Foundations

Achievements & Leadership

- Winner, Pallesrujana Ideathon 2021 — INR 5000 grant for AI solution for farmers
- Volunteer, IGNUS 2021 and IKARUS 2023 tech and cultural fests