Mir Inayat Ahmed

Full-Stack Developer with AI/ML & Cybersecurity Knowledge

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Profile

Hard-working Full-Stack Developer with a strong passion for AI/ML and Cybersecurity. Proficient in web development, cloud technologies, and DevOps, with hands-on experience in creating scalable and secure solutions. Proven track record in freelancing and collaborative projects, complemented by a broad array of technical and creative accomplishments.

Experience

Student
Chaitanya Bharathi Institute of Technology (CBIT)
B.E. in Computer Science (2023 - 2027) - Hyderabad, India

Freelancer (Hobby)
Ongoing experience in web development and AI/ML projects.

Education

Chaitanya Bharathi Institute of Technology (CBIT)
Bachelor of Engineering (B.E.) in Computer Science (2023 - 2027)

MS Junior College, Hyderabad
Intermediate Science (Math, Physics, Chemistry) (2021 - 2023)

Skills

Web and Backend Development:

- **Backend Frameworks: Proficient in Django, Flask, and FastAPI.**

- **Frontend: Advanced skills up to React, with extensive experience in creating dynamic and user-friendly interfaces.**

- **Full-Stack Projects: Built advanced platforms, including Gigspace (a freelancing platform with features like blockchain escrow, skill assessments, AI insights, etc.), a disaster preparedness site, and various Flask/Django sites.**

DevOps and Infrastructure:

- **Containerization: Proficient in Docker for creating portable and scalable applications.**

- **CI/CD: Experience with setting up continuous integration and deployment pipelines, applying DevOps principles to streamline development.**

Cybersecurity:

- **Knowledge Areas: Basics of cybersecurity with familiarity in OWASP, application security, MITRE ATT&CK framework, defense reports, and the Cyber Kill Chain.**

- **Event Preparation: Created cybersecurity-themed quiz questions and content for events.**

Cloud Computing:

- **Completed college workshops on cloud fundamentals and Generative AI.**

- **Familiarity with Google Cloud services and basic cloud computing principles.**

AI and Machine Learning:

- **Projects: Developed chatbots, voice assistants, object detection systems, and an attendance tracker using AI techniques.**

- **Hugging Face: Experimented with LLMs using Hugging Face's models.**

Robotics Projects:

- **Created a human-following robot and a pick-and-place robot, showcasing hands-on robotics skills.**

Mobile Development:

- **Basic skills in mobile app development.**

Programming Languages:

- **Python, JavaScript, HTML/CSS, C++**

Tools & Technologies:

- **LATEX, Google Cloud, Docker, Selenium**

Other Skills:

- **Agile Methodologies, Leadership, Teamwork, Time Management, Effective Communication, Critical Thinking**

Certifications

- **Google Cloud Practitioner**

- **Agile Certificate (Atlassian)**

- **Google Cloud Computing Foundations (Oct 2023)**

- **CS50's Introduction to Computer Science - Harvard (Jul 2024)**

- **Techniques for Big Data Analytics (Nov 2023)**

- **Python for Everybody: The Ultimate Python 3 Bootcamp (Jan 2024)**

- **LAM Research Challenge Participant (Oct 2024)**

Projects

Freelance & Academic Projects:

- **Object Detection System: Real-time object detection in images/videos using ML algorithms.**

- **Flask Stock Site: Web app for live stock market tracking with real-time APIs.**

- **Django Auction Site: Online bidding platform with real-time auction features.**

- **Web Scraping Tool: Automated data extraction from e-commerce platforms like Amazon and Flipkart.**

- **Website Testing Automation Tool: Framework for efficient web application testing using Selenium.**

- **Django Basic Wiki Site: A basic wiki platform for managing articles and user contributions.**

- **Chatbot Using LLMs: AI-powered chatbot for personalized user interactions.**

- **Disaster Deck Platform: Web app with real-time alerts, preparedness resources, and community communication.**

- **Attendance System Using Face Recognition: Automated system for attendance tracking using facial recognition.**

Technical & Creative Projects:

- **Pick and Place Robot: Arduino-controlled robotic arm operated by PS4 controller.**

- **Human Follower Suitcase: Autonomous suitcase using ultrasonic sensors and Bluetooth.**

- **AI Voice Assistant: Chatbot using large language models for voice interactions.**

- **VolunMatch: Platform connecting volunteers and organizations.**

- **Gigtrove: Freelancing marketplace with ratings and job postings.**

- **AI Tutor: Adaptive learning app for customized educational experiences.**

- **LifeBalance AI: AI tool for work-life balance management with personalized insights.**

Achievements

- **99.27% in Mains Examination.**

- **Ranked 12,000 in Advanced Examination.**

- **Developed a Pick and Place Robot and a Human Follower Suitcase.**

- **Participated in the LAM Research Challenge (Oct 2024).**

Languages

- **English: Fluent (ILR 4)**
- **Hindi: Native Proficiency**
- **Urdu: Native Proficiency**