

Mohammed Wasif Ahmed

I like building systems that are practical and scalable, whether that's traffic control simulations, or full-stack tools. I work mostly with Java, Python and frameworks like FastAPI, React, Spring Boot, and I enjoy finding simple, effective solutions

Contact

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Projects

AI Powered Itinerary Generator

Sept 2025 - Dec 2025

- Engineered an AI-Powered Itinerary Generator integrating FastAPI, React, and Generative AI (Gemini) to automate road-trip planning.
- Designed scalable CRUD architecture with secure user management.
- Optimized itineraries via contextual LLM prompts, and enhanced user experience by minimizing manual research and ensuring data-driven travel personalization

Advanced Traffic Signal Control System

Apr 2025 - Aug 2025

- Engineered a real-time data ingestion pipeline to process live traffic data using python and PostgreSQL, simulating realistic traffic conditions across multiple intersections.
- Integrated traffic simulation tools like SUMO and CityFlow to model urban traffic dynamics and support reinforcement learning environments.

OverLifter

Dec 2024 - May 2025

- Built a full-stack resume edition platform using python and StreamLit, enabling non-technical users to update LaTeX resumes via clean UI without touching code.
- Designed the app to be ATS-optimized, maintaining machine-readable structure while hiding LaTeX complexity from users.

Educational Background

Masters in Computer Science

University of Michigan GPA: 3.71/4.0

Jan 2024 - Dec 2025

- Specialization in Artificial Intelligence.

Bachelor of Technology in Computer Science

JNTU-Hyderabad GPA: 3.4/4.0

Aug 2019 - Aug 2023

Skills

Technical Skills

- Java
- Python
- C++
- SQL
- Javascript, HTML/CSS

Backend Frameworks

- Node.js
- Spring Boot
- FastAPI
- OAuth
- REST

Developer Tools

- Git/GitLabs
- Github
- JSON

Additional Information

- <https://github.com/wasifahhme>
- IRJMETS Publication on Key Based Secure and Energy Efficient Multipath Routing in Wireless Sensor Networks (Jun 2023)