

Abdul Wahid

AI FULL STACK ENGINEER

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PROFESSIONAL SUMMARY

Computer Science undergraduate (B.S., expected June 2027) specializing in Full-Stack Development, AI Automation, and Agentic AI Systems. Experienced building production-style web applications with Next.js, Node.js, and MongoDB, and designing GenAI-powered agent workflows using LangChain, LangGraph, OpenAI APIs, RAG pipelines, and vector databases. Skilled in orchestrating automation with n8n, Make.com, and Docker, with a track record of leading technical teams and mentoring peers.

EDUCATION

University of Management & Technology (UMT), Lahore Oct 2023 – Jun 2027 (Expected)
B.S. Computer Science | CGPA: 3.55 / 4.00
Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Artificial Intelligence, Systems Programming

TECHNICAL SKILLS

Languages	C++, Java, JavaScript, TypeScript, Python, SQL
Web Development	HTML, CSS, Next.js, Node.js, REST APIs, Authentication Systems, API Integration
AI & Machine Learning	OpenAI APIs, LangChain, LangGraph, RAG, Prompt Engineering, Pinecone, Ollama
Automation & Agentic AI	n8n, Make.com, Agent Orchestration Frameworks
Databases	MongoDB, MongoDB Atlas, SQL Server, MySQL
Cloud & DevOps	Docker, Vercel, Render, CI/CD, Linux, Git/GitHub
Tools & Platforms	VS Code, Postman, SSMS

EXPERIENCE

Software Engineer Intern – GenAI & Agentic AI Optaex Technologies

- Built and optimized AI agent workflows using modern GenAI technologies, including LLM APIs, RAG pipelines, vector databases, and agent orchestration frameworks.
- Developed AI automation solutions using LangChain, LangGraph, OpenAI APIs, and workflow automation tools.
- Participated in prompt engineering, AI system evaluation, and deployment of intelligent agents.
- Collaborated with developers to integrate AI capabilities into production-ready applications.

Full Stack Developer Intern Logical Creations

- Developed full-stack web applications using Next.js, Node.js, and MongoDB.
- Built REST APIs and integrated authentication systems for modern web applications.
- Worked on frontend and backend features while collaborating with team members using Git and GitHub.
- Assisted in deployment and maintenance of applications using modern cloud deployment platforms.

PROJECTS

AI Chatbot for Small Businesses n8n, WhatsApp Business API, Ollama
Built and deployed a fully automated WhatsApp chatbot for small businesses using n8n and the Meta WhatsApp Business API, powered by a self-hosted Ollama model for real-time AI customer responses.

RideConnect – Real-Time Ride-Sharing Platform Next.js, Node.js, MongoDB, WebSockets, JWT
Built an Uber-style ride-sharing platform with JWT-based authentication and a real-time ride-request/dispatch flow using WebSockets, delivering live status updates between passengers and drivers.

TravelSync – Full-Stack Travel Planning Platform Next.js, MongoDB Atlas, Auth.js (NextAuth v5)
Designed and deployed a travel planning platform to Render with Auth.js (NextAuth v5) authentication, handling trip organization, itinerary management, and booking workflows.

Vehicle Detection & Traffic Analysis System MATLAB, Image Processing
Built an image-processing pipeline for vehicle detection and traffic monitoring using CLAHE contrast enhancement and morphological operations.

Additional Projects (github.com/abdulwahidrana): Sleep Alarm Detection (Python/OpenCV), ShopSphere E-commerce (Next.js/MongoDB), Hand Gesture Volume Control, Movie Ticket Reservation System (SQL Server), Android Notes App, VLSM Network Design.

LEADERSHIP & MENTORSHIP

- Vice President, Anti-Narcotics Society, UMT** — organized awareness campaigns and student engagement initiatives in coordination with university administration and external stakeholders.
- Project Lead, Fraternity, UMT** (Fall 2023 – Present) — led a 3–5 member team through full software project lifecycles, organized tech meetups and coding competitions, and mentored peers in programming, networking, and core CS coursework.

CURRENTLY LEARNING

AWS, System Design, Vector Databases, Advanced Agentic AI Architectures

CERTIFICATIONS

Claude 101 & AI Fluency (Anthropic) • Cybersecurity & Networking Basics (Cisco Networking Academy) • AI Essentials (Google) • Machine Learning (Coursera) • SQL (IBM)