ASAD ULLAH QADIR

Full Stack Developer · AI Engineer

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PROFESSIONAL SUMMARY

Full Stack Developer and AI Engineer with hands-on experience building scalable web applications and generative AI solutions. Proficient in React.js, Node.js, Python, and cloud deployment on AWS. Track record of delivering production-ready projects for real clients, contributing to enterprise backend systems, and working on fine-tuning pipelines for large language models. Currently in the 7th semester of a Bachelor's in Artificial Intelligence at SZABIST Islamabad.

TECHNICAL SKILLS

Frontend: React.js, Next.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Tailwind CSS, Material UI
Backend: Node.js, Express.js, Python, Django, REST APIs, GraphQL
Databases: MongoDB, PostgreSQL, SQL, Mongoose
AI / ML: Generative AI, Prompt Engineering, Fine-tuning, LLM Integration, OpenAI API, LangChain
DevOps/Cloud: AWS, Docker, GitHub Actions, CI/CD, Vercel, Firebase
Tools: Git, GitHub, Figma, Postman, VS Code

PROFESSIONAL EXPERIENCE

Full Stack Developer
Feb 2025 – Present

Vertex Solutions Inc · Islamabad, Pakistan

- Designed and implemented full-stack features using React.js, Node.js, MongoDB, and SQL serving production users.
- Built and maintained RESTful APIs and backend services, improving response time and reliability.
- Collaborated with design and product teams in agile sprints, contributing to on-time feature delivery.
- Established CI/CD pipelines and code review processes, raising overall code quality standards.

Generative AI Intern
Jun 2025 – Sep 2025

TechScape Pvt Ltd · Pakistan

- Fine-tuned large language models and built prompt engineering pipelines for production-ready AI features.
- Designed and ran evaluation metrics to measure and iteratively improve model output quality.
- Deployed inference endpoints and integrated AI models into existing web applications.
- Documented experiments to ensure reproducibility and collaborated with engineering on monitoring.

Full Stack Developer
Sep 2025 – Present

Penta Vision Technologies · Pakistan

- Developed and maintained full-stack web applications using modern frontend and backend technologies.
- Collaborated with cross-functional teams to design, build, and ship product features on schedule.
- Contributed to codebase architecture, API development, and database design for scalable solutions.
- Participated in code reviews and followed best practices to ensure high-quality, maintainable code.

FEATURED PROJECTS

AI PDF Chatbot | *Python · LangChain · OpenAI API · React*
Document Q&A system that allows users to upload PDFs and ask natural-language questions. Uses RAG (Retrieval-Augmented Generation) pipeline with vector embeddings for accurate context retrieval.
https://github.com/Asadullahqadir-1/AI-PDF-Chatbot

AI Autonomous Driving Project | *Python · Computer Vision · Sensor Fusion*
Research-focused autonomous driving system using AI and sensor fusion techniques to enable real-time environment perception and decision-making.
https://github.com/Asadullahqadir-1/AI-Driving-Project

Client & Sales Management System (CRM) | *React · Node.js · MongoDB*
Full-featured CRM for tracking clients, managing sales pipelines, and generating invoices. Includes role-based access control and dashboard analytics.
https://github.com/Asadullahqadir-1/Client-and-sales-management-system

Car Rental System | *React · Node.js · SQL*
End-to-end car rental platform with booking management, vehicle inventory, and an admin dashboard for operations oversight.
https://github.com/Asadullahqadir-1/Car-Rental

EDUCATION

Bachelor of Science in Artificial Intelligence 2023 – 2027
Shaheed Zulfikar Ali Bhutto Institute of Science & Technology (SZABIST) · Islamabad

CERTIFICATIONS

React Native Specialization Apr 2024
Meta via Coursera

MongoDB Bootcamp Sep 2024
LetsUpgrade

Prompt Engineering DataCamp
DataCamp

Cloud Computing DataCamp
DataCamp

Python Programming DataCamp
DataCamp

LEADERSHIP & ACTIVITIES

Head of Operations & Teams — MLSA (Microsoft Learn Student Ambassadors) 2024 – 2025
SZABIST Islamabad

- Mentored peers in technical skills and guided exploration of AI and cloud technologies.
- Organized workshops and hackathons promoting innovative AI solutions at university level.
- Represented the university at technical forums and community events.

Lead Operations & Teams — Google Developers Group on Campus 2025 – 2026

SZABIST Islamabad

- Led operations and team coordination for the Google Developers Group chapter at SZABIST.
- Facilitated developer events, study jams, and community-building initiatives on campus.

Participant — Youth Impacts Markhor 2024

Youth Impacts · Pakistan

- Selected as a participant in the Markhor leadership and youth development program.
- Engaged with emerging leaders across Pakistan in workshops focused on innovation and social impact.