

Arslan Rathore

Full-Stack ML / DevOps Engineer

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Professional Summary

Computer Science student with advanced expertise in full-stack development, AI/ML, and DevOps. Experienced in architecting, building, and deploying scalable web applications and intelligent systems. Focused on building production-grade systems that scale.

Technical Skills

- Frontend & Backend: Python, JavaScript (ES6+), TypeScript, Node.js, React, Next.js, .NET 9.0, Blazor, HTML5, CSS3, Tailwind CSS
- AI / ML: PyTorch, TensorFlow, Hugging Face, LLM Fine-Tuning, RAG Systems, LangChain, Computer Vision, Scikit-learn
- Databases: PostgreSQL, MongoDB, Firebase, Redis, FAISS, Pinecone
- Cloud & DevOps: AWS (EC2, S3, Lambda, RDS), Docker, Kubernetes, GitHub Actions, Terraform, Vercel

Education

BS Computer Science (2023 – 2027)

COMSATS University Islamabad, Abbottabad Campus

FSc Pre-Medical (A+)

Government College University Lahore (2020 – 2022)

Internship Experience

Full Stack Developer Intern – InfoTech Pvt (Aug 2025 – Sep 2025)

Built front-end interfaces and back-end APIs using MERN and .NET. Worked on testing, deployment, and feature implementation for live systems.

Selected Projects

- Ghost Cloud Platform – Decentralized computing ecosystem using .NET 9.0, Blazor, SignalR, Docker, and blockchain-based orchestration.
- Real-Time Video Conferencing App – Secure WebRTC platform with multi-user video calls, screen sharing, and real-time chat.
- AI-Powered Enterprise Search – Custom RAG system using fine-tuned open-source LLMs for intelligent document Q&A.;
- Custom Local LLM (Anti-Matter) – 770M-parameter model deployed locally with Ollama for private inference.
- 3D Web Application – Created a 3D model in Blender and integrated it into a web app using Three.js/WebGL for real-time interaction.

Certifications

- Huawei AI Course
- CCNA Certification
- Google Generative AI
- Google LLM Engineering