

# Muhammad Rafiq

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## Profile

Highly motivated and results-oriented Full-Stack Developer with strong expertise in building scalable web and cross-platform mobile applications using modern technologies such as the MERN stack, Python, and React Native. Skilled in designing and integrating RESTful APIs, and implementing AI/ML-driven features like chatbots, semantic search, and automated decision-making systems. Demonstrated ability to write clean, maintainable, and efficient code, quickly adapt to new tools, and follow agile development methodologies, and committed to delivering high-performance, user-centric solutions that drive real-world impact.

## Experience

### A FULL-STACK DEVELOPER

(2022– PRESENT)

- Contributed to the development of a cloud-based SaaS product by designing and implementing scalable and secure RESTful APIs, following best practices for performance and security.
- Developed responsive, high-performance web applications using React.js, Next.js, and modern UI frameworks such as Tailwind CSS and Material UI.
- Built cross-platform mobile applications with React Native, delivering native-like performance and consistent user experience across iOS and Android platforms.
- Engineered scalable backend services using Node.js, Express.js, and Python-based frameworks, including Django, Flask, and FastAPI.
- Developed real-time features such as notifications, chat modules, and live updates using WebSockets and Firebase.
- Integrated AI/ML technologies such as OpenAI, Gemini API, and Hugging Face models to develop intelligent systems including LLM-based architectures like Retrieval-Augmented Generation (RAG) for chatbots and recommendation engines.
- Created and managed custom AI agents and workflow automation using tools like LangChain, Pinecone, and Vector Databases.
- Applied Natural Language Processing (NLP) to create AI-driven solutions such as question-answering bots, text summarization tools, an AI-powered HR resume analyzer, and automated decision-making systems, enhancing user interaction and data processing.
- Designed, implemented, and maintained efficient relational and NoSQL databases using MySQL, PostgreSQL, and MongoDB to handle complex data operations.
- Utilized Git, GitHub, and CI/CD pipelines for effective version control, collaboration, and automated testing and deployment across environments.
- Followed modern software development best practices to ensure code quality, maintainability, scalability, and optimal application performance.
- Built and deployed serverless functions and microservices on AWS and Vercel, enabling cost-efficient and highly available systems.
- Participated in developer hiring and onboarding by creating technical assessments, mentoring interns, and contributing to knowledge-sharing sessions.

# Education

**BACHELOR OF COMPUTER SCIENCE**

**(2022-2026)**

## Skills & Abilities

- Problem Solving
- Fun, energetic, and punctual
- Excellent interpersonal and communication skills
- Passionate

## Technical Skills

- Frontend: HTML, CSS, JavaScript, TypeScript, React.js, Next.js
- Backend: Node.js, Express.js, Python (FastAPI, Django, and Flask)
- Mobile Development: React Native, Expo
- Databases: MongoDB, PostgreSQL, and MySQL
- API Integration: RESTful APIs, GraphQL, Third-party APIs
- AI/ML: Machine Learning (basic), OpenAI, Gemini API, Hugging Face, Retrieval-Augmented Generation (RAG), LLM integration
- DevOps & Tools: Git, GitHub, Docker, Postman, Vercel, Netlify
- Cloud: AWS (basic), Supabase, Firebase

## Activities and Interests

- Exploring New Tech and AI Tools
- Environmental conservation
- Tech Blogging & Content Creation
- Sports & Fitness
- Traveling and Cultural Exploration

## Languages

- Pashto – Native proficiency (Mother Tongue)
- Urdu – Native proficiency (National Language)
- English – Professional proficiency (Official Language)