

Farooq Ahmed Khan

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Profile

- Fullstack Software Engineer specializing in the Microsoft technology stack (ASP.NET Core, C#) and modern Frontend development (Angular 15+). Proven experience building scalable middleware, event-driven architectures, and reactive user interfaces. Passionate about writing clean, maintainable code and optimizing application performance.

Experience

FULLSTACK DEVELOPER (.NET/ANGULAR) | SAUFIK TECH | 10/2025 – 01/2026

- Collaborated closely with a **senior development team** to understand project specifications, translate requirements into technical tasks, and participate in **code reviews**.
- Gained practical experience in the **full software development lifecycle (SDLC)**, contributing to the development and maintenance of **business applications** using the **ASP.NET Core/C#** backend and **Angular 15+** frontend.

WEB & AI DEVELOPER | FREELANCE | 07/2020 – 09/2025

- Developed and deployed complex web applications for diverse clients using modern tools and frameworks.
- Designed and integrated AI/ML models into web apps, enabling predictive analytics and data-driven solutions.

IT AUTOMATION ASSISTANT | SULTANA FOUNDATION, ISLAMABAD | 10/2023 – 03/2024

- Designed and implemented a cloud-supported IoT-based biometric attendance system to streamline employee management.
- Led the digitization of institutional records, improving accessibility and organization.

DATA INTERN | MOHI-UD-DIN UNIVERSITY, ISLAMABAD | 06/2019 – 09/2019 & 06/2022 – 09/2022

- Developed digital solutions for HR record management, streamlining processes and improving efficiency.
- Automated resume vetting and filtration processes, reducing manual workload and enhancing accuracy.

Education

BACHELORS OF SCIENCE IN COMPUTER SCIENCE | FEB 2021 – JUNE 2025 | SZABIST, ISLAMABAD

- Acquired a strong foundation in programming, algorithms, and software development with an emphasis on real-world problem-solving.
- Gained expertise in web development, AI/ML, data analytics, Automation, and IoT through coursework and practical projects.
- **Final Year Project:** *“Health-Monitoring System Integrating IoT Sensors, Predictive Analytics (AI/ML), and a Web Application for User Interaction.”*

- Relevant Courses: Data Structures & Algorithms, OOP, Computer Architecture, Digital Logic Design, Operating Systems, Analysis of Algorithms, Calculus, Linear Algebra, Differential Equations, Applied Physics, Networking/Communication, Databases, and Artificial Intelligence.

Skills & Abilities

Software Development

- **Backend:** C#, ASP.NET Core MVC/Web API, Entity Framework Core, LINQ, SQL Server, RESTful Services.
- **Frontend:** Angular (v15+), TypeScript, RxJS, Angular Signals, Vanilla JS, Bootstrap, HTML5/SCSS, Razor Pages.
- **APIs & Integration:** RESTful APIs, Webhooks, third-party API integration.
- **Protocols & Data:** WebSockets, AJAX, JSON, REST, SignalR.
- **DevOps & Tools:** Git, Docker, Azure DevOps, Postman, Open Source SMTP Configuration.

Artificial Intelligence & Machine Learning

- **Frameworks & Libraries:** Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, Keras, PyTorch, OpenCV.
- **Expertise:** Data preprocessing, feature engineering, model development, training, and evaluation.

Data Analytics

- **Tools & Libraries:** Seaborn, Matplotlib, Tableau, Power BI, SQL (MySQL, PostgreSQL, BigQuery).
- **Techniques:** Exploratory Data Analysis (EDA), data visualization, dashboard creation, and statistical analysis.

Programming Languages

- Proficient in Python, C# and JavaScript.

Development Methodologies

- Agile, Waterfall, MVC, MVT, Microservices architecture.

Projects

- **FYP - Health-monitoring system:** Analyzes health metrics, predicts conditions, and supports early detection of health issues, all in real-time. Integrated messaging system, alerts & accounts.
- **Email Campaign Manager and Automation Service:** A full-scale email campaign manager with dashboards for marketers, interfaces to upload thousands of emails, warm-up and validation services, and open-source smtp server.
- **Android application analyzer:** Filters out suspicious apps by analyzing different components with AI.
- **Real-estate price prediction app:** Predicts prices of UK properties of different features and for different timelines.
- **Hospital management system:** complete system including payment gateways, multiple users etc.
- **Human-detector app:** Detects and distinguishes humans from other things using AI.
- **SafeFlix:** AI-powered safety-first streaming platform for kids.
- **AI-powered HR application:** Provides AI insights and assistance to Hiring Managers and candidates.

Certifications

- ASPIRE Leaders Program (Alumnus; 2024)
- Google Data Analytics Professional Certification (Coursera)
- Data Analytics and Business Intelligence (Digiskills.pk)
- Web Applications for Everybody (UMich - Coursera)

Clubs/Societies

- Google Developer Student Club & Microsoft Learn Student Club (August 2022 – June 2025)
- Google Cloud Live and Google Developer Club (Member since 2023 – Islamabad chapters)
- IBM TechExchange / Dev++