

Talha Tahir

Software Engineer

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Summary

Software Developer with expertise in building secure, scalable, and user-friendly applications. Proficient in Angular 18, ASP.NET Core, Blazor, and Firebase, with experience in developing real-time systems. Adept at integrating APIs, optimizing performance, leveraging modern frameworks and tools for end-to-end development.

Education

● SZABIST University - Islamabad

October 2020 - July 2024

- Bachelor of Science in Software Engineering
- Coursework: Data Structures, Object Oriented Design, Databases, Operating Systems, Computer Networks

Experience

● Software Developer (Part Time) || Backdrop Labs

July 2024 - August 2024

- Built a To-Do app at Backdrop Build Hackathon using Angular 18, Angular 18 Material, and Firebase. Features include real-time data sync, Firebase AUTH for user management, and firestore for database.

● Machine Learning Intern || Codsoft

June 2023 - July 2023

- Led multiple Machine Learning projects: fraud detection (81% accuracy), movie genre classification (79% accuracy), spam detection (87% reduction in false positives), and breast cancer prediction (84% sensitivity) using various techniques including logistic regression, neural networks, and SVMs.

Projects

● Vaultify: A Credential Management App

- Built Vaultify, a secure credential management app for safe storage of passwords. Integrated Angular 18 for the frontend, Google's Firebase for the backend, and Firestore for data storage.
- Tech stack:
 - Google's Firebase Auth, Firestore, Angular 18, TypeScript, Tailwind CSS, PrimeNg.

● Telepath: A Real-Time Chat App

- Built Telepath, a real-time chat application using Angular 18, ASP.NET Core Web API, and SignalR for instant message delivery. Features include user authentication and message persistence.
- Tech stack:
 - ASP.NET Core Web API, Microsoft SQL Server, SignalR, Angular 18, Tailwind CSS

● NextGenResume: An AI CV Maker App

- Built an AI-powered CV maker leveraging the Google Gemini SDK for advanced natural language processing and dynamic content generation and integrated with an Angular 18 frontend for seamless interaction.
- Tech stack:
 - Angular 18, Gemini SDK, TypeScript.

● Toxicity Spectrum: A Multilingual Toxic Comment Detection App

- Built multilingual toxic comment classification system using fine-tuned BERT model (81% accuracy). Implemented with FastAPI backend for ML inference and Blazor frontend with user authentication.
- Tech stack:
 - ASP.NET Core Blazor, Microsoft SQL Server, FastAPI, Tensorflow and Google's Multilingual BERT.

Skills

- Frontend Development:
 - Angular 18, Blazor, TypeScript, HTML5, CSS3, SCSS, Tailwind CSS.
- Backend Development:
 - ASP.NET Core Web API, FastAPI, Firebase, Razor Pages.
- Database Management:
 - Microsoft SQL Server, SQLite, Firebase Firestore.
- DevOps: Git, GitHub CI/CD, Docker.
- Machine Learning: Python, Scikit Learn, TensorFlow, Transformers, Gradio, Gemini SDK.

Professional Certifications

• “Meta Certified: Frontend Developer” by Meta on Coursera	In Progress
• “Create Serverless Apps” by Microsoft on Coursera	August 2024
• “Angular 18 (Basic) and Angular 18 (Intermediate)” by Hackerrank	August 2024
• “Create cloud-native apps and services with .NET and ASP.NET Core” by Microsoft	July 2024
• “Build Web Apps With Blazor” by Microsoft	June 2023
• “Create cloud-native apps and services with .NET and ASP.NET Core” by Microsoft	May 2023