



Faizan Ahmed Raza

Full Stack Developer | Web | Cloud | AI | ADAS

Results-driven IT Professional with 4 years of experience, specializing in developing robust applications using modern frameworks, AI and cloud technologies. Strong interest in AI, ADAS, autonomous systems, and vehicle dynamics for electric and hybrid vehicles.

EXPERIENCE

BMW AG, Germany — Working Student

October 2025 – March 2026

Designed AI-enabled software prototypes and automation tools supporting early-stage vehicle electronics development. Implemented data-driven algorithms, embedded software development & testing, and supported early-phase vehicle demonstrators in cross-functional teams.

TH Nürnberg (TTZ: Digital Intelligence - AI), Germany — Working Student

February 2025 – July 2025

Worked on applied research projects in computer vision and deep learning. Developed and optimized systems for OCR, key information extraction, using PyTorch and TensorFlow. Focused on intelligent automation across multi-domain applications.

Koderlabs, Pakistan — Software Engineer

November 2022 – October 2024

Designed and developed web/mobile apps and APIs using C#, Node.js (Express, Nest), TypeORM, Prisma, and frontend frameworks (Vue, React, React Native, Angular). Managed SQL/NoSQL databases, CI/CD pipelines (AWS, Bitbucket), and cloud infrastructure. Built chatbots with Python and Quickchat.

Saasfa, Pakistan — Full Stack Engineer

January 2022 – September 2022

Built web/mob applications and APIs using Laravel, Node.js, Express.js, NestJS, TypeORM, and Prisma, with React.js, Angular, and Vue.js on the frontend. Managed SQL/NoSQL databases and set up CI/CD pipelines via Heroku and Bitbucket. Administered Heroku and AWS resources for cloud app deployment.

EDUCATION

Coburg University of Applied Sciences, Germany — MEng Autonomous Driving

October 2024 – PRESENT

Proficient in sensor fusion, V2X, LiDAR/camera perception, odometry, path planning, ADAS, ROS, simulation, and deep learning for object detection and autonomous navigation, facial recognition, and emotion detection.

Bahria University, Pakistan — BSc Information Technology

October 2018 – October 2022

Software Engineering, Computer Programming (C++, Python, C#, Java, JS), Software Testing, AI, Databases (MSSQL, PostgreSQL, Oracle, DynamoDB)

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🌐 <https://github.com/faizanahmedraza/>

SKILLS & EXPERTISE

Programming & Frameworks: C++, C#, Python3, PyTorch, Tensorflow, scikit-learn, JS, Nodejs, Typescript, Reactjs, Angular, ROS, V2X, Nestjs

AI/ML: LLMs, LangChain, Transformers, NLP, Model Evaluation, Performance Analysis, Bias detection, OpenCV, MCP Concepts, Mutil-Modal AI Orcherstration, Power BI

Databases:

PostgreSQL, Redis, MySQL, MongoDB, DynamoDB, SQLite, Firebase, Oracle Database

DevOps & Tools:

Jira, Docker, Kubernetes, CI/CD (GitHub Actions, Jenkins), Git, Linux, Nginx

Cloud & Architect:

AWS, Heroku, DigitalOcean, TTD, Microservices

Soft Skills:

Critical Thinking, Planning, Attention To Details, Teamwork & Collaboration, Strategy Development

PROJECTS

At BMW, developing a web and desktop logging and analysis tool for UWB/CAN signal processing, visualization, and user intent recognition with 3D plotting.

At TTZ, developed OCR and computer vision solutions for mobile fitness apps to extract and analyze activity data from screenshots.

Look Whos OutDoors is an multi-vendor, e-commerce web/mob app, event management and booking platform.

ADash.io provides a real time seo and data analytics, traffic, leads and LTV to the businesses.

LANGUAGES

English - C1, German - A2