

MUHAMMAD ANS KHAN

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Fresh Graduate - Software Engineer with over 3 years (including undergraduate) of experience in Full Stack Web and Mobile App Development, AI Enthusiast.

EDUCATION

Bachelor of Information Technology , University of Education - 3.6/4.0	2020 - 2024
Fsc - Pre Engineering , City College Multan - 88%	2018 - 2020
Matric , Govt. Comprehensive Higher Secondary School - 88%	2016 - 2018

SKILLS

Technical Skills:

- **Full Stack Development:** Django, PHP, ASP.NET Core, Node.js, React, MERN Stack, Rest API's
- **Mobile Development:** Android, Flutter
- **Databases:** MySQL, MS SQL, PostgreSQL, MongoDB, Firebase, SQLite, ORMs
- **Version Control:** Git, GitHub, Bit bucket, GitLab
- **Cloud Services, Containerization & Deployment:** AWS, MS Azure, Docker, Linux
- **Debugging and Troubleshooting**

Soft Skills:

- Rapid Learner, Problem Solver, Team Collaboration, Effective Communication

EXPERIENCE

Full Stack Development Freelance/Remote	2022 - Present
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- Architected and maintained full stack applications with varied tech stacks including using Django, PHP, ASP.NET Core, Node.js, and the MERN Stack.
- Developed mobile applications using Android and Flutter
- Managed databases including MySQL, MS SQL, PostgreSQL, MongoDB, Firebase, and SQLite.
- Utilized version control systems like Git, GitHub, Bitbucket, and GitLab.
- Deployed apps on AWS and MS Azure with Docker on Linux, debugging systems

Front-end Development Freelance/Remote	2021 - Present
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- Gained expertise in core web technologies, detailed at <https://anskhan.netlify.app/projects>
- Created websites using HTML, CSS, JavaScript, Bootstrap, jQuery, and WordPress.

PROJECTS

Personal Portfolio Website - <https://anskhan.netlify.app>

Automated University TimeTable Scheduler - Django

- Engineered a tool using Django(Python's Web Framework) to automate and decentralize university timetabling.
- Addressed inefficiencies by shifting from centralized to distributed scheduling.
- Implemented secure user authentication and authorization, with role-based access control for administrators and teachers.

- Designed and integrated features for administrators and teachers to create personalized timetables.
- Implemented two scheduling methods:
 - **Randomized Scheduling:** Auto-generates timetables without specific preferences.
 - **Personalized Scheduling:** Customizes timetables based on user preferences.
- Reduced timetable creation time and effort, enhancing user satisfaction and organizational efficiency.
- Technologies: Django, Python, Django ORM, PyCharm, VS Code, MS SQL server, JavaScript, jQuery, HTML, CSS.

Fuel Station Information System - ASP.NET Core MVC

- Developed a comprehensive web-based application using ASP.NET Core MVC to manage and track fuel station operations.
- Optimized fuel inventory management by allowing real-time tracking.
- Implemented reporting and analytics to visualize data with charts and graphs, enabling better decision-making.
- Implemented secure user authentication and authorization, with role-based access control for Admin, Manager, and Staff.
- Technologies: C Sharp, ASP.NET Core MVC, Razor Pages, OOP, SQL, Microsoft SQL Server, HTML5, CSS3, JavaScript, Bootstrap, Javascript Charts.

Navigation App - Flutter

- Engineered a mobile app helping to navigate through map(pre loaded) fully offline. Utilized socket server with embedded sensors to obtain coordinates, speed and other meta data.
- Technologies: Flutter, Dart

CERTIFICATIONS

Technical Domain - NFTP

2021

Full Stack Web App Development Training - Punjab Information Technology Board