

# Anusha Khalil

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## SOFTWARE ENGINEER

I am a dedicated Software Engineer with two years of experience specializing in backend development and API integration. Proficient in Python and .NET, I excel in creating robust backend solutions, developing custom controls, and ensuring seamless system interoperability. With a strong foundation in Data Structures, Algorithms, Object-Oriented Programming, Testing, and Debugging, I am committed to delivering efficient and scalable solutions. I am eager to leverage my skills in a backend development role within a dynamic organization.

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## SKILLS

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|----------------------|----------------------------|--|
| • Azure              | • Fast Learner             | • Technical Projects                             |
| • Cloud Technologies | • Integration Technologies | • Unit Testing and TDD (Test-Driven Development) |
| • Communication      | • JavaScript/JQuery        | • Version Control (Git)                          |
| • C Sharp (C#)       | • Problem Solving          | • Web Development                                |
| • Devops             | • Python                   |  |
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## PROFESSIONAL EXPERIENCE

### Mazik Global, a Quisitive Company Senior Solution Engineer

Feb 2024 – Present

- Led development of advanced solutions on Microsoft platforms: Enhanced user experience through issue resolution and independent updates on the Angular portal.
- Mentored junior engineers: Fostered skill growth and team development in various Microsoft technologies.
- Proactively solved project challenges: Ensured efficient execution and delivery of top-quality solutions.
- Drove innovation and best practices: Implemented new technologies to improve solution quality and scalability.
- Collaborated with cross-functional teams: Translated business needs into impactful solutions while prioritizing data security and compliance.

### Solution Engineer

Aug 2023 – Feb 2024

- Led design and development of Azure Function Apps and APIs: Facilitated seamless system integration and data exchange by creating and integrating APIs based on provided architecture.
- Coordinated seamless system integrations: Ensured smooth interoperability between different portal systems to meet client specifications.
- Configured components for optimized performance: Enhanced user experience and system efficiency.
- Implemented cloud flows: Improved business process automation and data security.
- Mastered various debugging techniques: Gained proficiency in using Visual Studio Profiler, web debugging tools, and local portal debugging with localhost server runs.

## Junior Solution Engineer

Aug 2022 – Aug 2023

- Specialized in backend development and API integration: Proficient in creating robust and scalable solutions.
- Configured components for optimal performance: Enhanced system efficiency and user experience.
- Automated business processes using cloud flows: Ensured secure data governance and improved operational efficiency.
- Customized portals and websites: Improved user experience through attention to detail and problem-solving skills.

## MERL Usaman Instittue Of Technology Research Intern

May 2021 – May 2022

Designed and implemented single-cycle core with pipelining based on RISC-V "I" extension using CHISEL Scala functional programming.

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## EDUCATION

### Usman Institute Of Technology

Graduate Degree in Software Engineering

### Shaheed -e- Millat Govt. Girls College

Intermediate in Pre-Engineering

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## CERTIFICATION



Power Platform Fundamentals | Microsoft



Digital story telling and writing, Basic Digital Production and Editing, News Dissemination on Digital Platforms | Global Neighborhood for Media Innovations GNMI

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## PROJECTS

### Final Year Project

#### Handwritten to Text Transformation of Mathematical Equations:

Searching for mathematical expressions in their exact form on a browser can be a tedious task. To address this issue, our project, "Handwritten to Text Transformation of Mathematical Equations," provides a solution where users can input handwritten mathematical equations as images, snips, or drawings using a stylus. The system then searches for the equation on a Mathematical Information Retrieval (MIR) system and converts the equation into CMML and PMML formats. We implemented a Convolutional Neural Network (CNN) model for image prediction and generation of LaTeX from the input.