

# Asazad Amir Pathan

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## Professional Summary

I'm a Python-focused Software Engineer with **3 years of experience** developing robust, data-driven web applications. I specialize in building scalable backend systems using **FastAPI**, and crafting rich frontend experiences with **Angular**. I also have experience deploying cloud-native applications using **Microsoft Azure**. Passionate about automation, performance tuning, and learning emerging technologies—currently focusing on **Machine Learning** and intelligent systems. Certified in **Azure Development (AZ-204)**, I excel at writing clean, maintainable code that solves real-world problems.

## Technical Skills

- **Languages:** Python, JavaScript, TypeScript, SQL
- **Backend:** FastAPI, REST APIs
- **Frontend:** Angular 16, RxJS, HTML5, CSS3, Bootstrap
- **Database:** SQL Server, SQLite
- **Cloud:** Microsoft Azure (App Services, Functions, DevOps)
- **Tools:** Git, Azure DevOps, Jenkins, Postman, Jupyter, Pandas, NumPy, Scikit-learn
- **Learning:** Machine Learning, Model Deployment, MLOps
- **Methodologies:** Agile, Scrum

## Experience

### Software Engineer — IntegraConnect — Apr 2025 – Present

- Developed scalable backend services using **FastAPI** to support high-volume healthcare platforms.
- Integrated frontend Angular modules with Python-based REST APIs for seamless end-user experience.
- Built automation scripts in **Python** and Azure Functions to reduce manual overhead by 30%.
- Mentored junior developers and led Python code reviews to ensure performance and maintainability.
- Designed unit and integration test strategies using **Pytest** and Postman for API validations.
- Assisted in the deployment and monitoring of microservices on **Azure App Services**.

### Programmer — IntegraConnect — Aug 2022 – Mar 2025

- Developed Angular-based frontend modules interacting with Python REST APIs for business applications.
- Used **Pandas** and SQL to process and analyze datasets, generating reports for decision-makers.
- Implemented workflow automations using Python and Azure Functions.
- Participated in daily Agile ceremonies and contributed to sprint planning and retrospectives.
- Wrote API documentation and integration guidelines for cross-team consumption.

## Education

### B.Tech. in Computer Science and Engineering

Dr. Babasaheb Ambedkar Technological University — CGPA: **9.42/10** — 2018 – 2022

## Projects

### Disease Risk Prediction System (Machine Learning) — 2024

- Developed a disease risk prediction model (e.g., diabetes, heart disease) using patient datasets and **Scikit-learn**.
- Performed data preprocessing, feature engineering, and EDA using **Pandas** and **Seaborn**.
- Trained and validated classifiers (Logistic Regression, Random Forest, SVM), achieving up to 92% accuracy.
- Deployed the model via REST API using **FastAPI**, enabling integration with hospital systems.
- Built an Angular-based dashboard for data input and visualization of prediction outcomes.

### Hospital Management System (Full Stack) — 2023

- Developed a full-stack application using **Angular** and **FastAPI** to manage patient records, appointments, and staff allocations.
- Implemented secure login, role-based access (admin, doctor, patient), and patient health history tracking.
- Optimized backend queries and database schema using SQL for efficient data handling.
- Deployed application to **Azure App Service** with CI/CD pipelines using Azure DevOps.

## Certifications

- **AZ-204**: Microsoft Certified Azure Developer Associate – Microsoft
- Machine Learning with Python – Coursera
- Web Development with Angular – LinkedIn Learning
- Azure Fundamentals – Microsoft
- SQL Essential Training – LinkedIn Learning

## Achievements

- Promoted to Software Engineer at IntegraConnect based on performance and leadership.
- Recognized for implementing Python-based automation that improved team velocity.
- Ranked 1st in CSE with a CGPA of 9.42.
- Successfully led project deliveries integrating ML models into real-world APIs.