

# Shruti Devani

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## EDUCATION

University of Texas at Arlington, Texas, US

Jan 2022 - Dec 2023

Master of Science in Computer Science

Relevant Coursework - Design and Analysis of Algorithm, Distributed Systems, Database Systems, Machine Learning

Gujarat Technological University, India

Aug 2017 - May 2021

Bachelor of Engineering in Computer Science & Computer Engineering

Relevant Coursework - Operating Systems, Data mining, Object-oriented programming, Data Structures and Algorithms

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, C#, HTML, JavaScript

**Framework:** .Net Core, Flask, Django, Angular, NumPy, Pandas, OpenCV

**Cloud Technologies:** Azure Cloud, Docker, CICD(Jenkins)

**IDE & Tools:** Postman, Git, Github, PyCharm, VS Code, Jupyter Notebook, SQLiteStudio

**Database Systems:** SQL Server, MySQL

## PROFESSIONAL EXPERIENCE

Infochips, Ahmedabad, India - Software Developer

Sep 2020 - Dec 2021

- **Optimized** python GUI built on Tkinter, **reducing redundant calls** and **improved load time** by **40%**.
- **Implemented 4+** complex features and **7+** minor features single-handedly in student test portals such as **video streaming** of course's recording, **online proctoring** and **course completion** based on video timestamp.
- **Led a team of 3 interns** to perform the POC of streaming videos from **Azure Blob**, on **Angular**.
- Developed **python connectors** for **Azure Blob**, and **SQL Server** for meta data storage.
- Created REST API endpoints based on **Flask** for supporting student test functionality (CRUD, etc.), to provide a comprehensive, user-friendly system for managing student assessments.
- **Point of Contact** for client team - compiled business requirements, brainstormed on solution, implemented functionality, and delivered in Agile fashion.
- **Gathered experience** in **Agile methodology** from **Sprint demos, planning, and refinement sessions** held as part of the **SCRUM**.

*Rewards and Recognition:*

- Outstanding Performer

April 2021

Axis Techno-labs, Ahmedabad, India - Python and AI Intern

June 2020 - Aug 2020

- Developed **dietician bot** in **Python**, by analyzing user health data, and business use cases, to suggest actions to the users.
- Implemented **basal metabolic rate formula** for classifying the patient into various health categories.
- Significantly contributed to the **development of the intelligence engine module** in Python, focusing on the interpretation of results derived from metrics related to basal metabolic rate calculations.
- Implemented data parsing, with custom rules, with the handling of data storage with **SQL Server**.
- Engaged in the full lifecycle of application development, from concept generation to deployment, employing **Python** and **SQL Server**. This project enhanced health management efficiency, enabling stakeholders to make more informed dietary decisions and optimizing resource usage at every level.

## ACADEMIC PROJECTS

Restaurant Catalog (Python, JavaScript, HTML, CSS)

Aug 2022- Dec 2022

- Developed a **restaurant catalog** for displaying restaurants in a given area, leveraging **Docker** for seamless containerization.
- Built REST API endpoints with **Python (Flask)** for CRUD operations. Used **Yelp API** and **Google maps API** for fetching restaurant data, and maps interaction, containerized with Docker.

ServeMe System (.Net Core, Angular 13, Azure)

May 2022 – July 2022

- **Independently designed** and **published a web portal on the cloud**, allowing registered service providers in fields like plumbing and electrical work to submit bids and offer services. This platform empowers customers to make informed decisions by choosing providers based on their reviews.

Diagnosis of Diseases using Artificial Intelligence (Python, Django, SQL Server)

June 2020 – May 2021

- Implemented a **random forest classifier** to predict diseases in patients, learnt through their symptoms.
- Trained the model on 200 diseases and received an accuracy of **63%** in prediction.
- Used **Django** for building app and CRUD APIs, with data storage on **SQL Server**.