

Darshan Navadiya

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[LinkedIn](#)

[GitHub](#)

Education

Master of Science in Computer Software Engineering

Arizona State University

August 2022 to May 2024 (Exp.)

GPA: 4.0/4.0

Bachelor of Technology in Information and Communication Technology

Ahmedabad University

July 2018 to May 2022

GPA: 3.05/4.0

Relevant Course Work

Software Engineering, Cloud Computing, Database Management Systems, Mobile Computing, Analyzing Big Data, Machine Learning, Natural Language Processing NLP, Business Intelligence, Web Development.

Skills

- **Programming Languages:** Python, JavaScript, SQL, C, Golang, Java, HTML5, CSS, PHP, NoSQL, R, Kotlin, PowerShell
- **Frameworks:** Flutter, React Native, Android Studio, Hadoop, Postman API, Jupyter Notebook, Django, TensorFlow, MATLAB
- **Databases, Cloud Services & OS:** AWS, Google Cloud Platform, Azure, Docker, RedHat OpenShift, Kubernetes, Firebase, MongoDB, Data Factory, Azure Databricks, Data Lake Analytics, Windows, Ubuntu, CentOS, Android

Work Experience

[Amar Ujala News Paper](#)

India

Mobile Application Developer

January 2022- June 2022

- Improved language learning time by 20% by building a Flutter application which can run on both Android and IOS.
- Introduced **Text-to-Speech**, **Speech-to-Text** and a **chatbot** module using AWS Lex that helped users practice their vocabulary.
- Created **RESTful APIs** that served data to the JavaScript front-end based on dynamically chosen user inputs that handled over 500,000 concurrent users.
- Utilized Firebase Remote Config to rapidly publish changes in APIs that helped eliminate the process of manually changing API keys in the entire application.

Greenpath Education Ltd.

Canada

Software Developer Intern

June 2021- August 2021

- Designed UI for a stock analytics tool by understanding user needs, created high fidelity wireframes using **Adobe XD**
- Automated the process of fetching user scanner from **Azure Application Gateway** using Python.
- Produced an adaptive and responsive Web app using Flutter and Python.
- Responsible for build and deployment automation using **Docker** containers and orchestrated the infrastructure by setting up **Kubernetes** cluster.

[Dzor](#)

India

Software Developer Intern

June 2021- July 2021

- Designed end-to-end features, gestures, interactions, and developed the application.
- Increased payment speed by 25% by integrating Razorpay as the payment gateway.
- Developed a google maps feature which allows users to locate the nearby stylists.

[Ahmedabad University](#)

India

Undergraduate Research Intern

May 2021 - June 2021

- Built a full-stack application using Flutter that lets users record their Laughies, track progress and share, to evaluate their mental health.
- Integrated audio-video recorder and player; datepicker, authentication with Redis DB, used cloud messaging to send push notifications and Firestore to save media files, implemented Firebase **cloud functions**

Academic Projects

Echos - Sign Language Learning app

Flutter | AWS | Firebase | TensorFlow Lite

- Built a full-stack mobile app using Flutter to allow users to learn ASL. Integrated object detection within app using TFLite to translate ASL in Real-time.
- Applied DevOps as a software process and set up full CI/CD pipelines in GitHub Actions.
- Used Cloud Firestore to store data and media. Implemented sign-in authentication using MongoDB.
- Constructed a discussion forum inspired from Reddit's comment section, using Firebase Firestore.

Remote OCR Service (SaaS)

MySQL NDB Cluster | NGINX | FASTAPI | MariaDB

- Deployed a cloud service that allows users to extract details from a scanned image of passport using Pytesseract, and then stores it in a Distributed Database system.
- Set up a complete MySQL NDB cluster on 5 different virtualservers running on CentOS, used NGINX for load balancing, Fast API for deploying the ML model, and Ngrok for tunneling incoming requests to the local machine.