

# DHYEY RAJESH SHAH

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## EDUCATION

### University of Texas - Dallas

August 2024 - May 2026

Master's, Computer Science

GPA: 3.78

- Algorithms, Big Data, Software Evolution, DB Design, Web Development, Machine Learning

### Gujarat Technological University

June 2019 - June 2023

Bachelor's, Computer Engineering

GPA: 9.5

- Algorithms, Data Structures, DBMS, Web Programming, Mobile Development (Android Java), Computer Vision

## SKILLS

**Technical Skills / Tools:** Microsoft Azure, AWS, Google Cloud Platform, Terraform, Docker, Vue.js, React.js, Node.js, TypeScript, ESBuild, Webpack, Java, C/C++, Python, AngularJS, Android Development, Flutter, HTML/CSS, SQL, NoSQL(MongoDB, DynamoDB), Git, Datadog, Figma, Canva, JIRA, Excel/Numbers/Sheets, PowerPoint/Keynote/Slides

**Soft Skill:** Attention To Detail, Teamwork, Agile (Scrum / Kanban), Problem Solving, Adaptability, Quick Learner

## PROFESSIONAL EXPERIENCE

### Distinction Dev

Ahmedabad, GJ, India

Integration Developer / Platform Engineer

March 2024 - August 2024

- Contributed in Platform Team ( Platform Services ) for Credit Card Provider internal systems based in UK. Responsible for creating infrastructure and utility packages for developer teams. Responsible to setup deployment pipelines using Github Actions or containerization using docker.
- Implemented the Adapter design pattern for integrating third-party APIs and SDKs like Salesforce, Mambu, and GoCardless implemented with Inversify for IoC principles in TypeScript.
- Developed an interim Infrastructure as Code framework with AWS-SDK and CI/CD pipelines to manage legacy Lambda code deployed via console.
- Developed and maintained a platform for real-time event fan-out from producers to consumers, including schema validation, and documented adapters, development guides, and POCs for Solution Architects.
- Setup end to end automated testing pipelines for projects using Vitest/ Jest / Mocha / Chai

### Distinction Dev

Ahmedabad, GJ, India

Software Developer

May 2023 - March 2024

- Contributed to a country wide order and supply chain automation enterprise software for a home improvement retailer based in UK
- Developed and deployed full-stack applications consisting of Node JS Rest APIs on AWS Cloud Infrastructure with Serverless Framework Microservices and AWS CloudFormation for scalable, event-driven ETLs.
- Implemented business logic in TypeScript/JavaScript/Python. Optimized SQL queries with Sequelize ORM and MySQL, including compression indexing for optimal performance reducing query execution time by 60%.
- Created user interfaces with Vue.js, integrated Auth0 for authentication, and deployed static assets on S3 with Route 53 and CloudFront for efficient delivery.
- Conducted client demos, managed cross functional team dependencies designed architecture with Lucid Charts, resolved technical issues, managed cross-team dependencies, and documented interfaces and release processes.

### Urbanweb Solutions

Ahmedabad, GJ, India

Flutter Intern

December 2022 - May 2023

- Contributed to a live project for a Steel Manufacturer's Supply Chain by planning application flow with diagrams and prototyping in Figma
- Developed using Flutter (Dart) and PHP
- Conducted client demos and lead the team of intern.

### Cygnnet Infotech

Ahmedabad, GJ, India

Software Developer Intern

May 2022 - May 2022

- Developed a full-stack interface for managing company assets with an admin panel
- AngularJS was used for the frontend and NodeJS for the backend
- Implemented Sequelize ORM and JWT Authentication middlewares.

## PROJECTS & OUTSIDE EXPERIENCE

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### NS2SQL

Dallas, TX, USA

- This is a Natural Speech to SQL model that combines the techniques of Database specific context injection as well as text correction based on the table context which significantly improves the speech to SQL problems that are being faced currently in the domain.
- [Link to project](#)

### College Parking System

- A python DJANGO API that uses OpenCV to identify empty spots and return number of available spots as well as current capacity
- Created with Python, Flask to create an API and OpenCV module to identify available parking spots.

### Asset Manager

- A web application that is used to track and manage the assets (Laptops, Devices, SIM ) provided by a company to its employees along with an Admin Panel
- Developed using Angular JS with Material UI components for the frontend
- Backend comprised of NodeJS with JWT Token authentication and session management connect with MySQL Database with Sequelize ORM.

### API Gateway Integration with Dynamo DB using Serverless framework

- A serverless plugin that directly integrates API Gateway to Dynamo DB (Using CloudFormation) without involving any Lambda Function
- Implemented with Serverless Framework, AWS Console to verify results, YAML files and Node JS.

### Steelo

- An application for a steel manufacturer to ease the supply chain processes such as order placement, route determination and retail selling with inventory management
- Developed using Flutter for frontend and PHP for backend. Used Github as a version control tool.