

# Shivani Uppe

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## Profile

I'm a Computer Science Master's student with a passion for technology and a strong work ethic. Over the years, I've worked hard to master key skills like software development and cloud computing, and now I'm eager to put them to use in a real-world setting. I'm looking for opportunities to prove myself and contribute meaningfully to a company that values innovation and growth.

## Education

**Master's in Applied Computer Science**, Dalhousie Univeristy 2024/01 – 2026/09  
CGPA - 4/4.3 Halifax, Canada

**Bachelor of Technology in Computer Science**, CVR College of Engineering 2019/08 – 2023/07  
CGPA - 9.07/10 Hyderabad, India

## Projects

### DalExchange

- **Developed authentication system:** Designed and implemented features including user login, signup, email verification, and password recovery using Spring Boot.
- **Built product listing feature:** Implemented functionality to add new products, including image uploads and product information (e.g., description, quantity, usage duration).
- **Constructed CI/CD pipeline:** Developed a continuous integration and deployment pipeline using GitLab for automated testing, building, and deployment.
- **Managed Agile sprints:** Led weekly sprints using Jira to manage team tasks, track progress, and ensure timely project delivery.
- **Collaborated on feature enhancements:** Assisted teammates with filtering products on the main page and updating user profile information.
- **Wrote backend test cases:** Authored comprehensive test cases for backend features to ensure robust application functionality.

### TinyDB

- **Implemented** features to update, delete, and select information from tables in a lightweight file-based DBMS.
- **Developed** the main menu interface to streamline user interactions with the database system.
- **Created** functionality to export SQL dump files for backup and migration purposes.
- **Implemented** Entity-Relationship Diagram (ERD) generation to visualize database structures.
- **Collaborated** with team members on query processing and logging for transaction tracking and performance analysis.

### FitnessTracker

- **Developed** a serverless fitness tracker using AWS (Lambda, DynamoDB, SNS, API Gateway, Step Functions).
- **Deployed** Infrastructure-as-Code with AWS CloudFormation for scalable system orchestration.
- **Built** RESTful APIs for user registration and fitness data submission.
- **Automated** goal notifications via SNS using event-driven Step Functions.
- **Managed** DynamoDB tables for user and fitness data storage.
- **Tested** and **monitored** API interactions and CloudFormation stack deployment.

### Etch-a-Sketch

- **Developed** a web-based Etch-a-Sketch using JavaScript, HTML, and CSS.
- **Implemented** interactive drawing features using JavaScript event handling.
- **Designed** a responsive and user-friendly interface with custom CSS styling.
- **Optimized** the application for smooth performance across different browsers.
- **Enhanced** user experience by incorporating color-changing options and grid resizing functionality.

## Skills

### Programming Languages

Java, C, Python

### Databases

MySQL, Firebase, MongoDB

### Soft Skills

Teamwork, Leadership, Critical thinking, Flexibility, Time management

### Web Technologies

HTML, CSS3, JavaScript, AngularJS, React, Django

### Web Servers

Apache Tomcat

### Microsoft Office

## Certificates

- Python Basics (University of Michigan) – Coursera
- Python Data Structures (University of Michigan) – Coursera
- Programming for Everybody – Getting Started with Python (University of Michigan) – Coursera
- Database Programming with SQL – Oracle Academy