Shivani Uppe

✉ sh577665@dal.ca

📍 Halifax, Canada

🔗 https://shivaniuppe.github.io/portfolio/

📞 (782)-882-8904

in linkedin.com/in/shivaniuppe

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 – 2025/10
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 ⬚
Class - Advanced Software Development Concepts
- **Engineered** an authentication system with features including user login, signup, email verification, and password recovery using Spring Boot.
- **Developed** a product listing feature to add new products, supporting image uploads and product information (description, quantity, usage duration).
- **Constructed** a CI/CD pipeline using GitLab for automated testing, building, and deployment.
- **Led** Agile sprints, managing weekly tasks through Jira to ensure timely project delivery.
- **Collaborated** on product filtering and user profile updates.
- **Authored** backend test cases to ensure comprehensive functionality and stability.

TinyDB ⬚
Class - Data Management, Warehousing and Analytics
- **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 ⬚
Class - Advanced Topics in Cloud Computing
- **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

Cloud & Databases
AWS, MySQL, Firebase, MongoDB, DynamoDB

Soft Skills
Teamwork, Leadership, Critical thinking, Flexibility, Time management, Self-management

Web Technologies
HTML, CSS3, JavaScript, AngularJS, React, Django, SpringBoot

Web Servers
Apache Tomcat

Microsoft Office

Certificates

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