

# SHIVAY WADHAWAN

📍 AMHERST , MA 📞 (413) 265-4616

## ◦ DETAILS ◦

Amherst , MA  
(413) 265-4616  
[swadhawan@umass.edu](mailto:swadhawan@umass.edu)

## ◦ LINKS ◦

[Linkedin/shivay-wadhawan](#)

## ◦ SKILLS ◦

React  
HTML & CSS  
Node.js  
R  
C++  
JavaScript  
Java  
Python  
Object Oriented Programming  
Machine Learning  
Data Analytics  
AWS  
Data Structures and Algorithms  
Data Visualization

## ◦ LANGUAGES ◦

English



## PROFILE

A creative thinker, adept in software development and working with various data structures | Passionate about Front-End Development, UI/UX Design, and Agile Methodologies | Proficient in python for NLP, ML and Data Analysis | Seeking Full-Time Opportunities



## EMPLOYMENT HISTORY

### SOFTWARE DEVELOPER INTERN at Axis Bank Freecharge, Delhi

June 2023 — August 2023

- Collaborated with the software development team on projects, tasked with translating UI designs provided in Figma into functional web interfaces using React and Material UI.
- Conducted full lifecycle development, including programming, testing, packaging, deploying, and maintaining service and infrastructure components.
- Designed and developed automated Unit Tests, Component Tests, and Scenario Tests to ensure the quality, functionality, and alignment with design specifications during the developmental phases.
- Managed version control systems using Bitbucket, regularly committing and pushing code updates to the main repository as the website progressed from initial stages to completion.
- Participated in software design meetings and analyzed user needs to determine technical requirements, collaborating closely with business analysts and team members.
- Implemented changes and enhancements based on feedback and updates from the Team Manager, ensuring a refined and robust final product.
- Stayed current on company SDLC standards and contributed to the continuous improvement of development processes.

### FRONT END DEVELOPER INTERN at FABHOTELS, Delhi

June 2022 — August 2022

- Created mock-up & wireframe designs to target assigned tasks before starting to write code for the development phase using Figma.
- Conducted full lifecycle development, including programming, testing, packaging, deploying, and maintaining service and infrastructure components.
- Worked with JSON web tokens for authentication and authorization security configurations using Node.js.
- Managed version control systems using Git, regularly committing, and pushing code updates to the main repository as the website progressed from initial stages to completion.
- Designed, developed, and tested high-performing, scalable, enterprise grade single page web application (SPA) on React.js

### FRONT END ENGINEER INTERN at SNAPSTORE.COM, Delhi

June 2020 — August 2020

- Created accessible web front-end user interface for new or existing databases with a combination of HTML, SQL, JavaScript (React.js), and CSS(Bootstrap).
- Implemented CRUD operations using Web API and tested API calls using Postman
- Implemented various screens for the front-end using ReactJS and used various predefined components from Node Package Manager and Redux library
- Adhered to secure coding practices and performed code reviews to maintain high standards of code quality.



## EDUCATION



**Bachelor of Science(B.S) - Computer Science, UNIVERSITY OF MASSACHUSETTES, Amherst**

May 2024

SCHOLARSHIP RECEIPANT AND PART OF DEAN'S LIST



## RELEVANT PROJECTS



### CS 383(Artificial Intelligence)

Implemented inference algorithms for tracking invisible ghosts in the CS 383 version of Ghostbusters. Using Python, Utilized Bayes Nets to estimate the ghosts' positions based on noisy sonar readings. Concepts include probabilistic modeling, Bayes Nets, and algorithm optimization for Pacman gameplay.



### CS 446(Search Engines)

Developed a PageRank algorithm in Python to analyze website link structures, employing graph analysis and algorithm optimization techniques. Managed input/output operations for processing large datasets efficiently. Demonstrated proficiency in Python, algorithm design, and data manipulation.



### CS 326(Web-Programming)

Developed VillageLink along with my team-mates, a campus social app, enabling users to create events via pins, join meetups, chat in groups, and visualize social connections in an intuitive village format. (<https://villagelink.fly.dev/#login>)



### CS 528(Mobile and Ubiquitous Computing)

Developed a fall detection system using an ESP32-S3 microcontroller and MPU6050 IMU sensor, coded on CircuitPython and leveraging machine learning models (KNearestNeighbor and Random Forest) for classification. Achieved a best accuracy of 90.29%.