

SUBHASH VADLAMANI

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LinkedIn: [linkedin.com/in/vadlamanisubhash](https://www.linkedin.com/in/vadlamanisubhash) Portfolio: subhash-vadlamani.github.io GitHub: github.com/subhash-vadlamani

EDUCATION

Master Of Science (M.S.), in Computer Science

University of Florida (GPA: 3.53/4.00)

Relevant Coursework: Analysis Of Algorithms, Distributed Operating Systems, Computer Information Security

May 2024

Gainesville, FL

Bachelor Of Engineering (B.E.), in Computer Science and Engineering

Osmania University (GPA: 3.70/4.00)

Relevant Coursework: Data Structures, Database Management Systems, Machine Learning, Software Engineering

November 2020

Hyderabad, India

SKILLS

Languages and Software Systems: Python, Java, C++, HTML, CSS, Tailwind CSS, JavaScript, SQL, PostgreSQL, NoSQL

Tools and Frameworks: Django, Flask, React, Jenkins, Git, Docker, Kubernetes, Postman, Kafka, AWS Lambda, REST

Cloud Technologies: Amazon Web Services (AWS)

EXPERIENCE

Graduate Teaching Assistant

University of Florida

January 2024 - May 2024

Hybrid

- Served as a Teaching Assistant for CNT5517/CIS4930 (Mobile Computing) at the University of Florida, effectively **managing a class of 62 students** by proctoring exams, leading weekly labs, and coordinating with the instructor on course design and grading. Additionally, I led Raspberry Pi help sessions, providing essential guidance and technical support, which culminated in all participating students achieving top scores on a related assignment.

Backend Engineer

Delhivery Ltd. Hyderabad, India

July 2020 - July 2022

- Developed and implemented billing APIs handling over **\$1.3 million** in monthly transactions, as well as vehicle attendance and contract management APIs at Delhivery, a leading Indian startup and logistics unicorn. This effort successfully managed over **30,000 vehicles** and achieved a **90% reduction in manual processes**, significantly enhancing operational efficiency.
- Integrated FMS and Orion platforms to streamline vehicle procurement via bidding, leading to the successful release of the Transporter Service Application's initial phase as a **Docker microservice** for logistics marketplace adoption.
- Spearheaded performance optimization initiative for key APIs during peak Diwali traffic, **reducing response times by over 50%** and significantly decreasing infrastructure costs.
- Collaborated with teams to adapt software for various Volvo vehicles, enabling a new inter-city goods transport method. This significantly increased the company's profitability and operational efficiency, with **60% of goods** transported this way ([Source](#)).

Backend Engineer Intern

Delhivery Ltd. Hyderabad, India

January 2020 - July 2020

- Optimized caching for multiple internal APIs at Delhivery Ltd., **reducing application downtime by 50%**. Also engineered a digital dispute system that **resolved 100% of vendor billing discrepancies** online, eliminating unaccounted payments.

Tech Stack : Python, Django, PostgreSQL, AWS Lambda, Elasticsearch, Amazon Kinesis.

PROJECTS

\$1 Uni-Stroke Gesture Recognizer

Python, Tkinter, XML

- Engineered a \$1 Uni-stroke Gesture Recognizer using Python and the Tkinter library, adeptly creating a canvas that **recognizes 16 Uni-stroke gestures with up to 98% accuracy** using just one template per gesture.
- Improved algorithm accuracy by increasing the number of templates from one to ten and tested performance using XML gesture data from the algorithm's website. Additionally, designed software to collect user gestures in three different modes, enabling accurate comparisons of their effectiveness ([Algorithm](#), [GitHub](#)).

Voter Trend Analysis

Flask, SQL, Oracle, JavaScript, Angular, Git

- Presented **six complex SQL trend queries** that analyzed the voting patterns in the United States of America.
- Created a website using Angular to enable user input for SQL trend queries and visualize past trends, and wrote raw SQL queries for six complex trend analyses, integrating them with the front-end using the Flask Python Framework.
- Visualized correlations between voting numbers and factors like US trade performance, average age, gun violence deaths, and state GDP per capita, based on three inputs: state, sector, and time range ([GitHub](#)).

Resume Analysis Tool

Python, Tkinter, NLP

- Designed and implemented a Resume and Job Description Analyzer using **Python, spaCy, and NLTK** to extract keywords and calculate semantic similarity, enhancing recruitment processes by automating the evaluation of resume-job description alignment, with a user-friendly Tkinter interface and full documentation available on [GitHub](#).

Note Taking Application

React, Django, JWT Authentication

- Architected a local note-taking application with **Django and React**, implementing JWT for secure user authentication and crafting a responsive interface for user registration, login/logout, and note operations, integrated with SQLite. Comprehensive code and execution instructions are available on [GitHub](#) for efficient local setup ([GitHub](#)).