SUBHASH VADLAMANI

Open to Relocation | **Phone:** +1-352-709-3718 | **Email:** v.vadlamani@ufl.edu
LinkedIn: linkedin.com/in/vadlamanisubhash **GitHub:** github.com/subhash-vadlamani

EDUCATION

Master Of Science (M.S.), In Computer Science **May 2024**
University of Florida (GPA: 3.51/4.00) Gainesville, FL
Relevant Coursework: Analysis Of Algorithms, Distributed Operating Systems, Computer Information Security

Bachelor of Engineering (B.E.), in Computer Science and Engineering **November 2020**
Osmania University (GPA: 3.70/4.00) Hyderabad, India
Relevant Coursework: Data Structures, Database Management Systems, Machine Learning, Software Engineering

SKILLS

Languages and Software Systems: Python, Java, JavaScript, C++, SQL, PostgreSQL
Tools and Frameworks: Django, React, Jenkins, Git, Jira, Docker, Kubernetes, Postman, Kafka, AWS Lambda
Cloud Technologies: Amazon Web Services (AWS)

EXPERIENCE

Graduate Teaching Assistant January 2024 - Present
University of Florida Hybrid
- Served as a Teaching Assistant for CNT5517/CIS4930 (Mobile Computing), managing a class of 62 students by proctoring exams, leading weekly labs, maintaining the course's online discussion forum, and coordinating with the instructor to design and grade assignments.
- Led Raspberry Pi help sessions, providing guidance and technical support to students; successful instruction resulted in 100% of students achieving top scores on a related assignment.

Software Developer July 2020 - July 2022
Delhivery Ltd. Hyderabad, India
- Developed and implemented billing APIs handling over $1.3 million in monthly transactions, as well as vehicle attendance and contract management APIs for Delhivery, India's leading supply chain and logistics provider.
- 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).

Software Developer Intern January 2020 - July 2020
Delhivery Ltd. Hyderabad, India
- Enhanced the caching mechanism for data from multiple internal APIs, quickly mastering the code base and reducing application downtime by 50%.
- Developed a digital dispute system for Delhivery vendors, resolving 100% of billing discrepancies online and eliminating unaccounted payments.

PROJECTS

$1 Uni-Stroke Gesture Recognizer Python, XML
- Implemented the $1 Uni-stroke Gesture Recognizer with Python programming language.
- Created a canvas using the Tkinter library and recognized 16 Uni-stroke gestures with up to 98% accuracy just by working with 1 template per gesture.
- Enhanced 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).

Voted Trend Analysis Flask, SQL, 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 for a user to provide input for the SQL trend queries and visualize past trends.
- Wrote Raw SQL queries for the six complex trend queries and integrated them with the front-end by making use of 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).

Logo Classification using modified pretrained ML models Python, TensorFlow
- Developed a multi-layer CNN for the task of image classification in a dataset of 10 different logos.
- Modeled the architecture by using ResNet50V2 as the base model.
- Achieved an accuracy of 93%-98% in the test dataset (GitHub).