


# Venkata Sai Harsha Vardhan Mirthinti

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Graduate Student in Computer Science actively looking for Summer 2024 Internships/Fall 2024 Co-Op;

## EDUCATION

### Masters in Computer Science

Arizona State University, Tempe, AZ

Relevant coursework: Data Mining, Foundations of Algorithms, Software Security.

Dec 2024

4.00 GPA

### Bachelors in Computer Science

Andhra University, Visakhapatnam, India

Relevant coursework: Algorithms and Data Structures, Machine Learning and Artificial Intelligence , Database Systems and Management , Computer Networks and Security, System Design, Operating Systems , Big Data Analytics.

May 2022

8.52/10 GPA

## TECHNICAL SKILLS

**Languages & Libraries:** Python3, C/C++, Java, JavaScript, Go, R, Pandas, NumPy, React, Node.

**Tools & Technologies:** Git, JIRA, Linux, Mongoose, Tableau, Microsoft Office.

**Frameworks:** Django, Flask, Spring.

**Databases/CloudServices:** MySQL, PostgreSQL, MongoDB, AWS, Docker, Azure , Google Cloud Platform(GCP).

**Operating System:** Windows, Ubuntu/Linux, MacOS.

**Soft Skills:** Problem-solving, Team collaboration, Communication, Time management, Adaptability.

## PROFESSIONAL EXPERIENCE

### Arizona State University, Remote: Website Developer

Dec 2023 - Present

- Developed and maintained a WordPress-based website for architecture students, leveraging custom themes, plugins (e.g., Elementor, WPForms, MyLogin, WooCommerce), and backend interactions.
- Implemented advanced functionalities, including user profile details and interactive features such as project viewing commenting, and liking the post.
- Utilized PHP, JavaScript, HTML, and CSS to enhance website customization and user experience.
- Demonstrated proficiency in working with the WordPress ecosystem, showcasing adaptability in integrating plugins for extended functionality.
- Collaborated with team-members to understand requirements and translated them into effective technical solutions.
- Integrated SSO(Single Sign-On) functionality for the students to increase safety.

### Cognizant Technologies, Remote: Big Data and PySpark Intern

May 2022 - Dec 2022

- Employed **PySpark** for comprehensive analysis of flight reservation data, focusing on (**ETL**) processes to prepare datasets.
- Utilized **Tableau** to craft interactive dashboards, effectively visualizing trends and insights into customer behavior.
- Implemented **K-means** clustering to boost processing efficiency by **10%**, segmenting customer behaviors in flight data, which facilitated targeted marketing strategies and personalized service offerings.
- Applied Amazon Web Services for cloud-based data storage and computation, ensuring scalable and efficient data processing.

## PROJECTS

### Lost and Found, *Personal Project*

Fall 2023

Full Stack Django application for Lost and Found Items.

- Led the development of a Django-based Lost and Found application, showcasing proficiency in full-stack technologies including HTML, CSS, JavaScript, and Django.
- Engineered a user-friendly platform with robust user profile management, facilitating seamless account creation and personalized information handling.
- Implemented dynamic features for posting, editing, and deleting lost and found items, offering users flexibility in managing their listings.
- Integrated image upload functionality, enhancing the visual representation of items and fostering user engagement within the application.
- Utilized Postgres for efficient database management, ensuring streamlined data storage, retrieval, and maintaining a scalable data structure.

## ACTIVITIES

- **Diploma in Spanish** from Department of Foreign Languages, Andhra University with Distinction grade
- Mentored students as a JavaScript Tutor with **Code The Dream**, focusing on teaching and guidance.
- Engaged in Bio-Computing and CyberSecurity research as part of the **Bio Design Scholars** team.