Sri Dhimple Nuthalapaty

3145657359 sridhimple3o@gmail.com https://www.linkedin.com/in/sridhimple-nuthalapati/

Summary

Experienced Research Intern with a proven track record of success in conducting comprehensive research on emerging technologies and developing innovative software solutions. Proficient in Python, Embedded C, and advanced security algorithms. Extensive experience collaborating with industry experts and presenting research findings at conferences.

Education

Webster University • Master's Degree Graduation: December/2025
Cyber security • *GPA: 3.6*

RMD Engineering College • Bachelor's Degree Graduation: May/2023
Computer Science • *GPA: 9.4/10*

Experience

Research Intern –RMD Engineer College September/2022 – April/2023
Chennai, India

- Conducts comprehensive research on emerging technologies, industry trends, and best practices in the field of IT security.
- Designs and develops innovative software solutions for wearable devices using Python and Embedded C, leveraging advanced security algorithms and techniques.
- Collaborates with senior researchers and industry experts to explore new research directions and contribute to advancements in **IT security**.
- Presents research findings at conferences and publishes papers in peer-reviewed journals, showcasing the department's research capabilities.

Skills

- **Web development:** HTML, CSS, Tailwind, Figma, Bootstrap
- **Data Analysis:** Pandas, NumPy
- **Programming Languages:** Python, SQL, JavaScript
- **Database Management:** MySQL, PostgreSQL
- **Machine Learning:** Regression, Classification, Clustering, Decision Trees, Random Forest, SVM
- **Microsoft Office Suite Skills:** Microsoft Excel, Microsoft Word, Microsoft PowerPoint, Microsoft Outlook
- **Other Tools:** Google Colab, Jupyter notebook

Projects

Wearable smart device to monitor multiple vital parameters RMD Engineering College January/2023 – April/2023

- Developed software for a wearable health monitoring device using Python and Embedded C, enabling real-time feedback and sensor integration for multiple vital parameters.
- Collaborated effectively within a cross-functional team to resolve hardware-software integration issues, leveraging problem-solving skills and knowledge of embedded systems and IoT protocols.
- Implemented machine learning algorithms to analyze sensor data and provide personalized health insights, resulting in improved user engagement and device adoption rates.

Customer segmentation system RMD college May/2022 – July/2022

- Led a cross-functional team to develop a customer segmentation system utilizing K-means clustering, boosting marketing efficiency by 35% and enabling targeted campaigns for improved customer engagement.
- Deployed image recognition models on mobile devices, optimizing performance for real-time product detection, resulting in enhanced user experience for product identification and in-store navigation.
- Fostered a collaborative and communicative team environment during the customer segmentation and image recognition project, ensuring project success through shared learning, knowledge transfer, and regular updates to relevant stakeholders.

Global Sales Data Analysis IBM May/2022 – July/2022

- Conceptualized and implemented a robust data analytics solution leveraging Python and SQL, resulting in enhanced data integrity and a notable 40% surge in sales through efficient data manipulation and analysis.
- Facilitated seamless project execution through active participation in daily stand-ups and collaborative meetings, contributing to improved team dynamics and project deliverables.
- Demonstrated exceptional analytical prowess by leveraging image processing techniques and machine learning algorithms to optimize product detection accuracy, leading to enhanced user experience and increased platform adoption.