

## **Mahima Hamsa**

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### **Profile Summary**

Results-driven M.Tech in Computer Science student with a passion for emerging technologies and a proven track record through previous internship experiences. Skilled with a solid foundation in computer science principles, I bring a unique blend of theoretical knowledge and practical skills. During my academic journey, I have demonstrated a keen ability to adapt and excel in multiple dynamic environments. As a motivated and quick-learning individual, I am excited about the opportunity to contribute to a company's success and continue my professional development in a challenging and innovative environment.

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### **Internship Experience**

#### **Kalvium Technologies**

*Junior Product Designer*

*February 2024 - Present*

- Worked on front-end technologies, contributing to the design and development of user interfaces for web applications.
- Served as a Technical Mentor for three months, guiding and assisting junior developers in front-end design principles and coding best practices.

#### **Smartknower, Bangalore**

*Junior Intern*

*June 2021 – July 2021*

- Smartknower is an organization committed to the Ed-Tech space, empowering students from Tier-II and Tier-III towns to upskill in modern technological and entrepreneurial domains.
- **Market Analysis using Data Science:** Performed a comprehensive market analysis using the Apriori algorithm to identify frequently sold products within a shopping mall. The algorithm was instrumental in uncovering recurring transactions in vast datasets, enabling the identification of suggested products commonly purchased alongside the current selection.

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## Education and Training

### **M.Tech in Computer Science Engineering**

*Gayatri Vidya Parishad College for Degree and PG Courses, Visakhapatnam*  
*December 2022 – June 2024*

- CGPA: 9.2

### **B.Tech in Electronics and Communication Engineering**

*Anil Neerukonda Institute of Technology and Sciences, Visakhapatnam*  
*July 2018 – June 2022*

- CGPA: 8.02

### **MPC**

*Ascent Junior College, Visakhapatnam*  
*April 2016 – June 2018*

- CGPA: 8.91
- Accomplished the online course "Introduction to IoT and Embedded Systems" provided by the University of California, Irvine, through Coursera.
- Completed the course "Introduction to Programming" offered by Kaggle with success.

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## Technical Skills

- Programming Languages: Python, C, C++
- Web Technologies: HTML, CSS, Javascript

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## Projects

### **Face Recognition Based Attendance System**

*February 2024 – June 2024*

- Developed a face recognition-based attendance system to automate attendance recording in academic settings.
- Utilized Python and OpenCV for image processing and facial recognition, integrated with a database for managing attendance records.
- Ensured real-time recognition with high accuracy, facilitating seamless integration into existing systems.

## **Borewell Safety Alert System**

*February 2019*

- Collaborated with a team to develop a Borewell Safety Alert system showcased at the hardware expo organized by ANITS.
- The system employs advanced hardware technology to detect potential risks in borewell operations, providing timely alerts to prevent accidents.

## **Fusion of SAR and Optical Images for Remote Sensing Applications**

*July 2021 – April 2022*

- Developed a project and published a paper on image processing titled "Fusion of SAR and Optical Images for Remote Sensing Applications."
- The project combined SAR and optical images to create comprehensive remote sensing datasets, enhancing land cover classification, change detection, and environmental monitoring.

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## **Achievements**

- Authored a research paper titled "Integration of SAR and Optical Images for Remote Sensing Applications" in the field of image processing.
- Secured the first prize in the "Make a Move" contest at the national-level event TACHYON 2.0, held on February 22nd and 23rd, 2019, organized by ANITS.
- Engineered a project named "Bore-well Safety and Alert System" showcased at the hardware expo during ANITS's TACHYON 2.0 event.

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## **Courses**

- Successfully completed "Introduction to IOT and embedded systems" an online course offered by University of California, Irvine through Coursera
- Successfully completed the course "Introduction to programming" offered by Kaggle

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## **Competitions**

- Secured 88% in the "E-Quiz on Basic Electronics" conducted by the Department of ECE of Sri Ramakrishna College of Arts and Sciences.
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