

ARSAM ABHIGNA

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OBJECTIVE

Motivated 3rd-year Computer Science undergraduate aiming to contribute to impactful research while growing in a dynamic, growth-oriented environment.

EDUCATION

B V Raju Institute of Technology

Bachelor of Technology in Computer Science CGPA – 9.35/10

Excellencia Junior college - TSBIE

Intermediate – 98.20%

St Mary's Vidyanikethan high School - SSC

Matriculation/SSC CGPA – 10/10

October 2022 – June 2026

Narsapur, Telangana

June 2020 – August 2021

Shamirpet, Telangana

March 2019 – March 2020

Pragnapur, Telangana

SKILLS

Programming Languages

Java, Python, SQL

Tools

Git, GitHub, VS code, Figma, Canva

Frontend & backend/databases

HTML, CSS, Bootstrap, SQL

Soft Skills

Resilient, Communication, Problem Solving, Analytical Thinking, Teamwork, Adaptability

Coursework

OOPs, Operating system, DBMS, Computer Network(Familiar)

EXPERIENCE

Edunet Foundation — TechSaksham (Microsoft & SAP CSR Initiative) Intern

January 2025 - February 2025

Developed ML models for disease outbreak prediction (Heart Disease, Parkinson's, Diabetes). Built an interactive Streamlit UI, enabling easy visualization and user-friendly disease prediction.

Forage AI Intern

September 2024 - January 2025

Annotated diverse datasets using LabelImg to improve object detection model training. Ensured high-quality labeling, contributing to a significant improvement in model accuracy.

GirlScript Summer of code Contributor

May 2024 - August 2024

Led front-end development on various open-source projects, implementing features to improve user interface functionality and accessibility. Enhanced GitHub READMEs to ensure clear documentation, contributing to improvement in project adoption by new developers.

PROJECTS

Vacant parking slot availability detection

— YOLOv8, OpenCV, Python, Pandas, NumPy, and Winsound

- Developed a YOLOv8 and OpenCV-based system for parking slot monitoring, automating tracking and payments.
- Implemented YOLOv8-based object detection to track vehicles and automate parking charges with real-time alerts.

Generative AI for Sustainable Product Design

— Hugging Face, Wolfram Alpha, LangChain, Streamlit, Claude AI

- Developed AI-driven sustainable designs to reduce waste, energy, and optimize product lifecycles using Generative AI.
- Developed a Streamlit interface for non-technical users to input sustainability parameters.

RESEARCH ACTIVITY AND PAPER PUBLICATIONS

7th International Conference on Circuit Power and Computing Technologies (ICCPCT)

2024

- **Title of the Paper** : Vacant Parking Slot Availability Detection Using Yolov8 and OpenCV - Integration with payment functionalities. DOI

ROLES AND RESPONSIBILITIES

Coding Brigade BVRIT Creative Head

June 2024 - Present

organized technical sessions, contests for skill development and executed promotional campaigns

ACHIEVEMENTS

- Selected as a **mentee** for **Infosys Springboard Pragati PTF Cohort** for mentorship and upskilling.
- Advanced to round 2 in **Battle of Bytes** and **Yukthi Hackathon**, showcasing coding skills.
- Selected in the **Smart India Hackathon** internals among **80+ teams**, reflecting strong innovation and technical skills.
- Ranked in the **top 5%** in **NPTEL Soft Skills** exam, demonstrating strong communication and leadership.

CERTIFICATIONS

- Java Essentials - Infosys Springboard
- Front End Web Developer Certification
- Database Programming with SQL - Oracle academy
- PCAP: Programming Essentials in Python-CISCO
- Python for problem solving - Codechef
- SQL and Relational Databases 101 - IBM