

ARSAM ABHIGNA

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OBJECTIVE

Motivated third-year Computer Science undergraduate seeking internship opportunities to gain hands-on experience in technology and software engineering while contributing to innovative and impactful projects.

EDUCATION

B.Tech in Computer Science B V Raju Institute of Technology November 2022 - Till Date **CGPA :9.35/10**
Intermediate in MPC Excellencia Junior college June 2020 - August 2022 **Percentage : 98.20/100**

SKILLS

Computer Languages	Java, Python, SQL, JavaScript
Technologies and Tools	Git, GitHub, MySQL, Streamlit, HTML5, CSS3, Bootstrap
Soft Skills	Resilient, Communication, Problem Solving, Analytical Thinking, Teamwork, Adaptability
Core Competencies	Object-Oriented programming, Operating system, DBMS, Computer networks

CERTIFICATIONS

- Java Essentials - Infosys Springboard
- Database Programming with SQL - Oracle academy
- The Joy of Computing Using Python - NPTEL
- Front End Web Developer Certification
- PCAP: Programming Essentials in Python-CISCO
- Python for problem solving - Codechef
- CLA: Programming Essentials in C-Cisco
- SQL and Relational Databases 101 - IBM

EXPERIENCE

Coding Brigade BVRIT *Creative Head* May 2024 - present
• Developed and executed targeted promotional campaigns using Canva and Adobe tools, and organized technical sessions, contests for skill development.

Edunet Foundation — TechSaksham (Microsoft & SAP CSR Initiative) *Intern* January 2024 - February 2024
• Developed ML models for disease outbreak prediction (Heart Disease, Parkinson's, Diabetes).
• Compared ML algorithms (SVM, Logistic Regression, etc.) to enhance predictive accuracy.
• Built an interactive Streamlit UI, enabling easy visualization and user-friendly disease prediction.

Forage AI *Intern* September 2024 - January 2025
• Annotated diverse datasets using Labelling 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 a 30% improvement in project adoption by new developers.[click](#)

PROJECTS

Vacant parking slot availability detection
• Developed a YOLOv8 and OpenCV-based system for parking slot monitoring, automating tracking and payments.
• Implemented object detection with YOLOv8, tracked vehicle movements, and automated charges based on parking duration.
• Utilized YOLOv8, OpenCV, Python, Pandas, NumPy, and Winsound for real-time processing, data handling, and alert systems.

Generative AI for Sustainable Product Design
• Developed AI-driven sustainable product designs to minimize waste, reduce energy consumption, and optimize product life cycles using Generative AI tools.
• Designed a user-friendly Streamlit interface for non-technical users to input sustainability parameters and interact with the system.
• **Techology Used:** Hugging Face, Wolfram Alpha, LangChain, Streamlit, Python, Claude AI

RESEARCH ACTIVITY AND PAPER PUBLICATIONS [CLICK](#)

7th International Conference on Circuit Power and Computing Technologies (ICCPCT) 2024
• Published Paper in IEEE Xplore digital library on **Vacant Parking Slot Availability Detection using YoloV8 and OpenCV**, offering an efficient solution to optimize urban parking management

ACHIEVEMENTS

- Selected as a **Scholar** in the competitive **SheFi Web3 Cohort**, focusing on blockchain, DeFi, and smart contract development, and as a **mentee** for the **Infosys Springboard Pragati PTF Cohort**, a prestigious program designed to provide mentorship, upskilling, and career guidance.
- Advanced to round 2 in both **"Battle of Bytes"** and **"Yukthi Hackathon"** demonstrating strong problem-solving and coding abilities.
- Selected in the **Smart India Hackathon** internals among **80+ teams**, reflecting strong innovation and technical skills.
- Ranked in the **top 5%** among participants in the proctored **NPTEL Soft Skills** exam, showcasing strong communication, leadership, and interpersonal abilities essential for professional success.