

RAKSHITHA S

Bangalore ,Karnataka

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rakshitha-s

Rakshitha0720

Work Experience

Siva Complete Solutions Pvt Ltd

September 2024 – At Present

Trainee Web Developer

Bangalore, Karnataka

- Developed and deployed SEO-friendly, responsive websites using HTML, CSS, and Bootstrap, tailored to client specifications.
- Implemented SEO and SMO strategies, leveraging Google Analytics , Google Tag Manager (GTM) ,keyword research to enhance website rankings, resulting in a **15% improvement in SEO performance**.

Bharat Electronics Limited

August 2023 – September 2023

Intern

Bangalore, Karnataka

- Internship at BEL:** Completed internship in the **Milcom SBU**, specializing in **military-grade equipment** for defense applications.
- Collaborated with **cross-functional teams** of 5+ members, enhancing communication skills across departments.
- Gained insights into the development of **military-grade equipment** and its working in a defense sector.

EDUCATION

East West College of Engineering

2020 – 2024

Bachelor of Engineering (BE) in

Electronics and Communication Engineering - **CGPA - 7.32**

Bangalore,Karnataka

KLE Independent PU College

2018 – 2020

Class 12th Boards, Karnataka PU Board - **Percentage - 60%**

Bangalore,Karnataka

St Flowers English High School

2017 – 2018

Class 10th Boards, Karnataka SSLC - **Percentage – 79.84%**

Bangalore,Karnataka

CERTIFICATIONS AND COURSES

- Certified “**Full Stack Java Web Developer**” with expertise in Core Java, Frontend Technologies, and Data Structures & Algorithms (DSA).
- Google Ads Certified Practitioner** with specialization in Google Ads Apps and Google Ads Display from Google Skillshop.
- Completed **AWS Cloud Practitioner Essentials** training and certification course from AWS Skillbuilder.

PROFESSIONAL COURSES

Full Stack Training | TAP Academy

Apr 2024 – Sep 2024 | Bangalore, Karnataka

- Mastering **Java, Spring Boot, Hibernate, HTML, CSS, JavaScript, SQL**
- Building and deploying **full-stack web applications** (integrating frontend and backend)
- Gaining hands-on experience with **Git, SQL , and Agile methodologies**.

TECHNICAL SKILLS

- | | | |
|---------------|---------------------|----------------------------|
| - HTML5 | - Digital Marketing | - CSS |
| - Cloud -AWS | - Google Analytics | - Google Tag Manager |
| - MySQL | - JDBC | - Digital Image Processing |
| - Bootstrap 5 | - DSA -Java | |

PROJECTS

- **PIEZO POWER GENERATION SYSTEM**

- Developed prototype using piezoelectric transducers, Arduino Uno, and HX711 for real-time energy monitoring.
- Achieved 80% efficiency; integrated OLED display for live voltage, weight, and power data in high-traffic renewable energy applications.

- **OBJECT SORTING USING MACHINE LEARNING**

- Designed an ML-based object sorting system using ESP32-CAM and SSD MobileNetV2 for real-time detection and classification on a conveyor.
- Achieved 120 items/hour throughput with adaptive learning and customizable sorting of components like LEDs, resistors, and ICs.

ACADEMIC RECOGNITION

- Presented 'Object Sorting Using Machine Learning' prototype at the **IGNITRON National Project Exhibition**, showcasing project functionality.
- Synthesized “**OBJECT SORTING USING MACHINE LEARNING**” prototype into a digestible research paper presented at **ICETSE-2024**; publication in **SCOPUS-indexed journal**.
- Crafted a visually compelling research poster of “**PIEZO POWER GENERATION SYSTEM**” prototype for ARAMBH-2k24, synthesizing data into easily understandable charts, graphs, and concise textual explanations to enhance readability.

PUBLICATIONS

"Multiple Electronic Component Sorting and Deployment on Edge Device using SSD MobileNet V2 FPN 320 Lite in Machine Learning" 

Grenze International Journal of Engineering and Technology, June issue – Vol-10.

HACKATHONS

AI X Spacetech Hackathon | GalaxEye

4th Place | [2024]

- Developed a **Pix2Pix GAN** model to convert **SAR images to EO images**.
- Created a novel anomaly detection algorithm, **achieving 95% precision and 90% recall** within a 24-hour sprint as an undergraduate intern.
- Designed a data preprocessing pipeline, ensuring data integrity across 1000+ data points, improving model training **efficiency by 20%** and accelerating iteration cycles.
- Demonstrated strong problem-solving, teamwork, and technical skills in remote sensing image translation.

DECLARATION

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.

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