

SAI VIGNESH

Entry Level Graduate | Software Engineer

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Summary

Aspiring professional with a strong foundation in data analytics, web development, and software engineering. Eager to contribute to impactful, data-driven applications and scalable software solutions.

Technical Skills

- **Programming Languages:** C++, Python, JavaScript, Scala.
- **Backend Development:** Node.js, Express.js, Flask, REST APIs, JWT, Docker, AWS (EC2, Lambda), GitHub Actions.
- **Software Design & Modeling:** Lucidchart(UML Tools).
- **Databases:** MySQL, SQL Server, MongoDB (NoSQL).
- **Version Control & Collaboration:** Git, GitHub.

Education

Bachelor of Technology in Computer Science and Engineering Maharaj Vijayram Gajapathi Raj college of Engineering	September 2020 – April 2024 Percentage: 69%
Board of Intermediate Education Sasi junior college	June 2018 – March 2020 Percentage: 96%

Projects

Unmasking Faces Using ECGAN	October 2023 – April 2024
<ul style="list-style-type: none">• Audited and rectified inconsistencies within 2,500 images in the RAFDB dataset, ensuring data integrity for ECGAN model training and decreasing model error rate by 15% during facial reconstruction.• Validated the RAFDB dataset to ensure data integrity and relevance, enhancing model training effectiveness.• Leveraged TensorFlow GPU acceleration and hyperparameter tuning to reduce model training time by 30%, boosting overall computational efficiency.	
Command-Line Based QR Code Generator with PNG Export	June 2024 – November 2024
<ul style="list-style-type: none">• Designed and developed a C++ tool using libqrencode and libpng to generate QR codes from user input and export them as PNG images via the command line.• Optimized PNG rendering for 25% lower memory consumption and faster image generation, ensuring consistent high-quality output.• Facilitated rapid QR code creation for payment systems and authentication processes, reducing transaction or verification time by up to 40% in simulated benchmarks.	
Personal Portfolio Website	March 2025 – April 2025
<ul style="list-style-type: none">• Developed a visually appealing, mobile-friendly portfolio to showcase key technical skills and projects.• Integrated advanced JavaScript libraries and CSS frameworks into a personal portfolio, integrating smooth navigation and modern design principles for optimal user experience.	

Internships

Smart Internz Salesforce Virtual Internship	November 2023 – January 2024
<ul style="list-style-type: none">• Streamlined workflows by automating tasks with Salesforce tools, reducing manual effort.• Developed custom Salesforce applications tailored to client needs, improving operational efficiency by 30%.• Automated routine business processes using Salesforce automation tools, resulting in a substantial decrease in manual workload.	

Certifications

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| • C++ Essentials Certification | – Cisco |
| • SQL Certification | – Hacker Rank |
| • Artificial Intelligence Fundamentals | – IBM |
| • AWS Cloud Practitioner Essentials | – Amazon Web Services (AWS) |
| • Python Essentials Certification | – OPENEDG |