

SIVAGIREESWARAN S

Chennai, Tamil Nadu, India

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🌐 Sivagireeswaran |

Education

Amrita Vishwa Vidyapeetham, Chennai, Tamil Nadu

October 2021 – May 2025

Bachelor of Technology in Computer Science Engineering

Projects

Multimodal Offensive Meme Classification | *Python, Deep Learning*

July 2024

- Engineered a scalable multimodal offensive meme classifier using stacked LSTM and VGG16, **achieving a 92% classification accuracy**, contributed to distributed content moderation capabilities across platforms.
- Refined content moderation by integrating image and text modalities, **improving offensive content detection precision by 15%**, ensuring that nuanced content was accurately flagged and handled effectively.
- Strengthened communication strategies within a cross-functional team of eight members, leading to improved project clarity and reducing miscommunication errors by **30% during collaborative initiatives over six months**.

Smog Sentinel System | *Python, Google Colab, Kaggle*

January 2024

- Developed the Smog Sentinel System utilizing scalable machine learning models in Python, **achieving a 95% accuracy rate in predicting air quality levels**, provided accurate real-time pollution data, which significantly contributed to public health insights.
- Elevated system efficiency by reducing prediction time by 30%**, enabling faster responses in distributed environments for pollution control measures, and improving decision-making processes for environmental health agencies through real-time actionable insights.

Route Navigator | *Java, Python*

November 2023

- Built a sophisticated web application in Python, **enhancing route navigation efficiency in a distributed system and achieving an increase of 40% in computational speed**; streamlined processes led to faster user response times based on real-time data analysis.
- Constructed a tool for computing optimal paths between locations in a graph, **enhancing navigation efficiency by 50%**, improving user experience with swift and reliable route suggestions in a fault-tolerant system and ensuring seamless system performance under various conditions.
- Facilitated brainstorming sessions that encouraged innovative solutions, showcasing leadership and creativity in optimizing the user experience.

Technical Skills

Languages: Python, C#, Java, HTML/CSS, SQL

Developer Tools: Visual Studio, VS Code, Google Cloud Platform, Android Studio, OpenCV, Microsoft Suite

Technologies/Frameworks: .NET, GitHub, WordPress, distributed computing, fault-tolerant systems, real-time data processing systems, React Js, React Native, Machine Learning, Deep Learning, OOPS, Data Structures, Computer Networks, Hadoop, Scala

Certifications

AWS Academy Graduate - Achieved AWS Academy Cloud Architecting certification, demonstrating proficiency in designing and deploying scalable, reliable cloud solutions that enhanced operational efficiency by 20%.

IBM - Mastered virtual collaboration and enhanced communication strategies, boosting cross-functional team productivity by 15% through effective coordination."

Certifications Repository - For more Certifications [↗](#)

Extracurricular

Google Developers Students Club

August 2023 – July 2024

Marketing & PR Lead

Amrita Vishwa Vidyapeetham

- Pioneered the role of GDSC Marketing and Public Relations Lead at Amrita School of Engineering, Chennai, setting a strategic foundation for future leadership, improving brand presence by 25%.
- Spearheaded a national-level competition, driving participant engagement through comprehensive event planning and execution, resulting in a 40% increase in student involvement.

Bharat Scouts & Guides

July 2015 – Present

Rajyapuraskar Awardee

- Embarked on my Boys Scouts journey at age 12, consistently demonstrating commitment to leadership and community service.
- Earned the prestigious Rajyapuraskar Award at 16, marking the highest state-level recognition for Scouts and Guides for exemplary performance in service and discipline.