

Jaishriram PM

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Professional Summary

- Software Developer with internship experience at Amazon and Samsung, skilled in full-stack development, cloud technologies, and deep learning
- Strong track record of delivering production-ready solutions and award-winning research projects.

Education

PSG College of Technology, B.Tech in Information Technology

August 2021 – July 2025

- CGPA: 8.04

Experience

Software Development Engineer Intern, Amazon – Chennai

January 2025 – June 2025

- Developed a Kindle E-Reader feature in React Native and C++ to allow users to pin content across pages, with seamless cloud syncing for data storage
- Optimized internal workflow migration by redesigning the algorithm-triggering architecture with AWS, cutting execution time by 40% and ensuring robust test coverage before production release.

Machine learning Intern, Samsung R&D – Remote

June 2023 – December 2023

- Developed an audio classification model by applying Vision Transformer (ViT) architecture on spectrogram representations of diverse datasets
- Achieved 98% accuracy and received the Best Project Award for outstanding performance

Publications

Ranking of post-quantum cryptography signature schemes using EDAS - DOI

March 2025

Anitha Kumari Kumarasamy, *Jaishriram Pichaikutty Muthu*, Shakthi Sathiswaran

Achievements

- Excellence in Work Certificate for Samsung Prism Internship
- Class representative in the third semester
- Recognized with the Best Project Award for the final year project in the IT department

Projects

Course Schedule Generator - Full Stack

- Built a full-stack Course Schedule Generator using a greedy algorithm to automate timetable creation, ensuring constraint satisfaction and efficiency
- Tools Used: Java, React.js, MySQL

Resource-Aware Split-Fed Learning - Deep learning

- Implemented a dynamic layer-splitting strategy in split-fed learning for thin clients, achieving high accuracy on the MNIST dataset with reduced client-side computational load
- Tools Used: Python, PyTorch, NumPy

Technologies

Languages: C++, Java, Python, JavaScript

Frameworks & Databases: React.js, React Native, PyTorch, MySQL, MongoDB

Technologies & Tools: AWS, Git, Agile methodologies