

JAYA SRI KRISHNA S

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SUMMARY

A detail-oriented Electronics and Communications Engineering (ECE) graduate specializing in data analytics with a strong foundation in IoT and machine learning. Possesses extensive experience in analyzing, interpreting, and visualizing vast amounts of data generated by IoT devices to generate actionable insights. Expert in using advanced data analytics techniques and machine learning models to address complex industry challenges.

EXPERIENCE

Samsung Magpie Intern - Network and Call OAM Team

Samsung Electronics

05/2023 - 07/2023 Samsung R&D - SRIB, Bangalore

- Led the design and execution of a complex chain process, interlinking modules for validation, server, databases, and cloud-based machine learning.
- Created a machine learning system to streamline network management, emphasizing user-defined prediction targets over traditional coding
- Achieved a significant milestone by successfully clearing the **SWC Advance Exam**, showcasing proficiency in data structures and algorithms..

Samsung Prism - Machine Learning & Network Specialist

Samsung Electronics

09/2022 - 02/2023 VIT, Vellore

- Participated in a network virtualization project under Samsung experts' guidance, focusing on routers and switches.
- Utilized Mininet for sophisticated data generation and preprocessing in a virtualized network environment.
- Generated precise time-series predictions for software upgrade slots and monitoring using advanced models like ARIMA, LSTM, and Sarima.
- Compiled significant project findings into a research paper titled "**SAFE: Smart Automation Framework to Perform Device Software Upgradation in SDN Controlled Network**".

JSW Intern - Network Specialist

JSW

01/2022 - 02/2022 JSW Salem, India

- Implemented AI/ML algorithms to predict crucial aspects such as potential downtimes to machinery, contributing significantly to proactive problem.

Vitecon Conference - Full Stack Developer

IEEE Communication Society, Vit Vellore

06/2022 - 09/2022 VIT, Vellore

- Sole developer of an intuitive platform utilizing the MERN (MongoDB, Express.js, React.js, Node.js) stack.
- Successfully managed the organization and display of over 600 international research papers.

Core Member - IEEE Power and Energy

IEEE PES, VIT

- Gained insights through enriching workshops and discussions.
- Successfully achieved **AWS Foundation Certification**.

EDUCATION

Vellore Institute Of Technology

Vellore, TamilNadu

09/2023 - Present

CGPA

8.64 / 10

Maharishi International Residential School

Sriperumbudur, TamilNadu

10th | 12th

91.4 / 90.6

PROJECTS

TimeOptima

An enhanced algorithm designed during **Samsung Prism** solution to optimize the selection of timeslots for software upgrades.

TimeSnap

Developed during a **Samsung internship**, this software enables instant, accurate predictions through predefined templates, eliminating the need for coding in machine learning tasks.

ConnectXtend

An IoT application offering unified control of network-registered electronics via a mobile and web interface, using Bluetooth and WiFi.

Dream-11

A solution employing web scraping, Python preprocessing, and PowerBI visualization to analyze data and select the top 11 cricket players.

ShakelfOff

ShakelfOff enhances the music listening experience with a shake-to-change-song feature, enabling intuitive and hands-free control.

TECH STACK

Python

Java

C++

Arduino

Tensorflow

Pandas

Keras

Android Dev (Java)

MySQL

Mongodb

Cadence

AWS