

# JAYA SRI KRISHNA S

## Vellore Institute Of Technology

+91-9994906482

[www.linkedin.com/in/jskrishnas/](https://www.linkedin.com/in/jskrishnas/)

Vellore, India

@ jayasri.krishnas2020@vitstudent.ac.in

<https://github.com/JayaSriKrishna-S>



## 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. Motivated and versatile Advance Application Engineer with hands-on experience in both frontend and backend development.

## 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 **Samsung 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' and university professor's guidance, focusing on routers and switches.
- Utilized Mininet for sophisticated data generation and preprocessing in a virtualized network environment.
- Designed an *enhanced algorithm* for 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

07/2022 - 08/2022 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.

### IEEE Power and Energy - Core Member

#### IEEE PES, VIT

- Gained insights through enriching workshops and discussions.

## PROJECTS

### 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.

### ShakeltOff

enhanced music android app with a shake-to-change-song feature, enabling intuitive and hands-free control.

### MicroSight Analysis

In collaboration with a university professor, we're employing mobile-imaging and the Canny algorithm to analyze microscopic strain, targeting a research publication. (IN PROGRESS)

## CERTIFICATIONS

### Google Career Certificates, Coursera

Introduction to Git and GitHub  
Troubleshooting and Debugging Techniques  
Configuration Management and the Cloud

### UC San Diego, Coursera

Algorithmic Toolbox

### AWS Certifications

Aws cloud practitioner

## SKILLS

Python Java Tensorflow Git

MERN Stack Development

Android Development (Java)

Neural Networks MindsDb