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📍 Vellore, India

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.
- An *open-source* project contributing to the ONOS Networking Team.

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.

ShakeItOff

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 Developement

Android Developement (Java)

Neural Netorks	MindsDb