ROHITH KANNA

Aspiring Data Scientist
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EDUCATION

SRI VENKATESWARA COLLEGE OF ENGINEERING
BE in ECE
Exp. SEP 2027 | Chennai, INDIA
Cum. GPA: 7.7157 / 10.0

SKNS PMC VVJC | CBSE | XII
Computer Science
Grad. Mar 2023 | XII board : 86.2%

SDCVV | CBSE | X
Grad. Mar 2021 | X board : 85.6%

LINKS

Github: //Rohithkannas
LinkedIn: //rohith4510
Leetcode: //Rohithkannass
Hackerrank: //Rohith Kanna

SKILLS

Programming:
C, C++, Java, Python, HTML, CSS, SQL, MATLAB

Frameworks/Libraries:
React, Node.js, Numpy, Pandas, Matplotlib, REST APIs

Familiar Softwares:
MYSQL, Matlab, Tableau, Figma

Others :
Project Management, Team Work, Time Management

COURSEWORK

• Data Structures and Algorithms
• Object Oriented Programming
• Artificial Intelligence & Data Science
• Digital Signal Processing
• Machine learning
• Artificial Intelligence

COMMUNITY

IETE - STUDENTS FORUM
Executive Member cum Design Lead – Organized tech events and workshops promoting innovation in ECE.

IEEE - STUDENTS FORUM
Executive Member – Assisted in event coordination and technical outreach initiatives.

EXPERIENCE

SOUTHERN RAILWAYS | Intern
Jun 2025| Chennai, INDIA

- Gained exposure to telecommunication protocols like Telnet and Railnet used in secure enterprise communication systems.
- Studied railway communication topologies and distributed network architectures in real-time environments

PROJECTS

SMART TOURIST SAFETY MONITORING SYSTEM | Github
React.js | HTML | CSS | Python | Firebase | LSTM | REST API | MapBox

- Built an **Authority Dashboard Web Application** for real-time tourist safety with Mapbox mapping, geofencing, Firebase Auth, E-FIR registration, and multilingual support.
- Integrated **BLE wearables** and a Tourist **Mobile App** with the Web App for real-time health, location, and emergency data synchronization through Firebase backend.
- Integrated an **LSTM-based predictive analytics** module into the Dashboard to forecast regional safety trends using 10K+ Mock tourist records.

ADAPTIVE AUDIO ENHANCEMENT SYSTEM | Github
MATLAB | Audio Toolbox | Deep Learning Toolbox | Sign-LMS | CNN | SVM

- Engineered a real-time **Sign-LMS noise canceller** achieving +15 dB SNR improvement with **<2.5ms latency**.
- Built a **CNN-based Deep Learning monitor** to classify audio quality from spectrograms with **92.5% accuracy**.
- Implemented a hybrid validation framework using **SVM/Random Forest** and **MFCC feature extraction** to benchmark system fidelity.

ACHIEVEMENTS

CERTIFICATIONS

2024	Deep Learning AI	ChatGPT Prompt Engineering for Developers
2024	HP Life	Agile Project Management
2025	IBM	Python for Data Science & Development
2025	Oracle	OCI Certified AI Foundations Associate
2025	NPTEL	Introduction to Industrial IOT 4.o
2025	Deep Learning AI	Advanced Learning Algorithms
2025	Deep Learning AI	Supervised Machine Learning

COMPETITIONS

2024	1st/30	Enigma (Critical Thinking)
2024	1st/35	Ampere Quest (Circuit Debugging)
2024	1st/50	Infinitus (Club Level Problem Solving)
2025	1/30	Smart India Hackathon '25 (Internals)
2025	Special Mention	Hackelite 2025

WORKSHOPS

2019	Participation	IIT Bombay - Workshop to build solar study lamp
2024	Participation	AZURE Essentials For Data Engineering