SANJITH RAM V

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PROFILE

Highly motivated final-year student with proficiency in programming language Java. Good at problem-solving, debugging, and optimizing code.Basic programming knowledge in python and C++.

EDUCATION

Fourth Year, BTech ECE, VIT UNIVERSITY 09/2021 – 2025
  CGPA: 9.5 Chennai,Tamilnadu

HSC, Sri Jayendra Swamigal Silver Jubilee Matric Higher Secondary School 2019 – 2021
97% Tirunelveli,Tamilnadu

SSLC, Sri jayendra Swamigal Silver Jubilee Matric Higher Secondary School 2019
96% Tirunelveli,Tamilnadu

SKILLS

Programming Skills: Java,Python and Embedded C

DataBases: MySql

Data Analytics & Visualization: SQL, Power BI, Tableau, Python, Excel Modelling,Dashboard Development & KPI Tracking

Soft skills: Puzzle, Problem Solving ,Leadership, Event management, Communication and Presentation skills

Consulting & Business Analysis:: Hypothesis-Driven Problem Solving, Market Research, Business Strategy, Data-DrivenDecision Making,Market Sizing & Competitive Benchmarking

PROFESSIONAL EXPERIENCE

Project Intern, LRDE-DRDO,Bangalore 🔗 08/2023 – 10/2023
  Worked as a project Intern to implement the automation of the antenna Measurement Facility.

Project Assistant present
  Implementing lightweight SPN block cipher architecture with masked S-box in finite fields.

PROJECTS

Emoji and Sign Language Detection, using python and open cv 🔗
  •The system leverages computer vision and neural networks to process video input and identify specific gestures or emojis, making it a powerful tool for various applications, including accessibility and human-computer interaction.

Elderly Fall System, Arduino/ESP 8266/MPU 6050 🔗
  •Developing an IoT-based fall detection 🔗 system targeted towards ensuring the safety of elderly individuals. The system likely involves accelerometer data analysis to detect sudden changes indicating a fall and triggering alerts for swift assistance

Vocal Authenticator using Python, Machine Learning, Deep learning
  • Developed Vocal Authenticator, a speaker recognition system using optimized MLP neural networks to achieve high accuracy in speaker identification and authentication.

Image Encryption using QKD and Chaotic Maps (Capstone Project)
  • Engineered a quantum-safe encryption system using QKD, Henon/Arnold maps, and CNN-based key generation.
  • Enabled secure image transmission with chaos-based diffusion and confusion, enhancing resistance to quantum attacks.

Deloitte Australia Data Analytics Simulation
  • Created a Tableau dashboard to uncover forensic insights from client financial data.
  • Used Excel-based classification to detect anomalies and generate actionable intelligence.

BCG Strategy Consultant Simulation Forage

- Completed a job simulation where I advised a hypothetical local telco company, Company X, facing a decline in profits
- Conducted market research to determine the feasibility of the proposed solution
- Built an Excel model forecasting 15% potential revenue uplift and presented findings in a consulting-style executive summary.
- Communicated a summary of key findings in a clear presentation to stakeholders

Supply Chain Optimization – Independent Project

• Conducted a solo analysis of a mid-sized electronics company's supply chain, identifying inefficiencies and proposing solutions that could save up to **$8.5M annually**.

• Built a Python-based tool to forecast inventory needs, reducing product stockouts by **25%** and improving warehouse space usage.

• Created an interactive Tableau dashboard to visualize supply routes and costs, and delivered a strategy report suggesting process improvements for a **10% faster delivery cycle**.

CERTIFICATES

Cloud Computing & Distributed Systems-Nptel: 🔗 Mar 2023

Data Base Management System-Nptel: 🔗 Sep 2023

Data Analytics-Cisco: 🔗 Dec 2023

Data Science-Cisco: 🔗 Dec 2023

Cloud Practitioner-AWS: 🔗 Jun 2024

AWARDS

Meritorious Award (6th Rank/400), VIT University 🔗   2023

Meritorious Award (10th Rank/400), VIT University 🔗   2022

ORGANIZATIONS

IEEE Photonics Society,VIt Chennai, Management Member 🔗   present

Entrepreneurship Cell, VIT Chennai, Design Core Member   present

Cloudops club,VIT chennai, Core member   present

LANGUAGES

English • Tamil • Hindi • Telugu