ARAVINDH BABU

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SUMMARY

B.Tech student in AI and Data Science with practical experience in data analysis and web development. Skilled in Python, SQL, Power BI, and front-end tools like HTML,CSS,Javascript. Strong team player with leadership experience and a passion for solving real-world problems.

TECHNICAL SKILLS

Languages	: Python3 , HTML, CSS, JavaScript,PowerBI
Tools	: MSExcel
Database	: SQL
Networking Fundamentals	: OSI Model, TCP/IP, DNS, DHCP, IP Addressing, Subnetting

PROFESSIONAL EXPERIENCE

Hybrid Machine Learning Approach for Flood Forecasting and Alerts Systems

- This project involves building a flood forecasting system using a hybrid machine learning approach. It combines multiple ML models (like Decision Trees, SVM, or LSTM) to analyze historical rainfall, river level, and weather data to predict flood occurrences and trigger alerts in advance
- **Role:** Team Lead
  Responsibilities:

  ○ Built a hybrid ML model using Decision Tree, SVM, and LSTM for accurate flood prediction.
  ○ Processed weather and river data to generate real-time early warning alerts.
  ○ Visualized insights and model outputs using Power BI and Python dashboards.

Smart India Hackathon 2023 - Data Analyst Project

- Developed a comprehensive framework to plan, analyze, and manage dredging operations.
- Integrated various types of data and analytical tools for effective decision-making

EDUCATION

Bachelor of Technology - Artificial Intelligence and Data Science	**September 2021 - Present**
Rajalakshmi Institute of Technology, Chennai, TN	CGPA: 7.6/10
Higher Secondary Education	**2020 - 2021**
Amalorpavam Hr Sec School, Puducherry	Percentage: 88.8
Secondary Education	**2018 - 2019**
Amalorpavam Hr Sec School, Puducherry	Percentage: 87.6

CERTIFICATIONS

- Python - Simplilearn
- Data Analyst - Google
- Exxcel - Coursera
- CSS
- SQL - Coursera
- HTML

INTERNSHIP

Data Analyst Intern, Hanon Systems
- Analyzed large datasets using Excel and SQL to support data-driven decisions
- Built dashboards highlighting process gaps and operational improvements

LEADERSHIP SKILLS

- **Public Reachout:** Actively organized and participated in college outreach initiatives to engage with students and the community.
- **Student Co-ordinator in Yuva Club:** coordinated events, activities, and communication between students and faculty, ensuring smooth execution and active participation

ADDITIONAL INFORMATION

- **Languages :** English, Tamil
- **Date of Birth :** 16-08-2003
- **Gender** : Male
- **Nationality** : Indian