RAHUL RAMAMOORTHY

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Education

CGPA- 9.05	**Computer Science and Engineering** *Chennai Institute of Technology, Tamil Nadu*
92%	***HSC +2*** *Al Saad University Al- Ain*

Internship Experience

2024/05 – 2024/06   **Resh and Thosh Travel Technologies**

Chennai, India   *Junior Web Developer*

Enhancing the company's website frontend using HTML and CSS to improve user experience, while supporting their mission to promote travel software and online booking solutions to educational institutions.

2024/11 - 2024/12   **KaarTech Technologies UK Ltd,.**

Chennai, India   *AI and Full-stack App Developer*

Developed the Help Center App for their Product KEBS, enhancing user support and engagement. I also built an AI-powered chatbot integrating Natural Language Processing (NLP) and Computer Vision, enabling intelligent assistance and automated query resolution

Projects

Real-Time Human Activity Recognition
- Designed a deep learning model using Recurrent Neural Networks (RNNs) and sensor data to classify human activities such as walking, running, and standing for smart healthcare applications..

Stock Price Prediction Using LSTMs
- Implemented a time-series forecasting model using Long Short-Term Memory (LSTM) networks to predict stock trends based on historical price data

Fake News Detection Using NLP
- Implemented a Natural Language Processing (NLP) model using TF-IDF and deep learning approaches like LSTMs and Transformers to classify news articles as real or fake.

Wi-Fi-less Screen Sharing System
- Developed a Wi-Fi-less screen-sharing system using low-level networking protocols, enabling seamless peer- to-peer screen transmission without internet dependency.

Blockchain-Based Transaction Identification System
- Engineered a blockchain transaction identification system to analyze and trace cryptocurrency transactions, aiding in anomaly detection and financial tracking.

Interactive Crypto Portfolio Tracker
- Developed a CryptoTracker project, enabling real-time tracking of cryptocurrency prices and market trends, using API integration and dynamic frontend technologies for a seamless user experience

OpenStreetMap-Based Route Planning System
- Developed a real-time route planning system using OpenStreetMap (OSM) and Leaflet.js, with future integration plans for live traffic updates and alternative route suggestions.

Research Papers

Veeramalai Sankaradass,Rahul Ramamoorthy, Akshaya A, Chorko C - Facial emotion classification utilizing EfficientNet: A comprehensive deep learning method - Submitted to SA College of Engineering , Chennai IEEE Conference

Certificates

- NPTEL certification on Database Management System
- NPTEL certification on Cloud Computing (86%)
- Udemy Deep Learning intermediate
- CourseEra Introduction to Data Structures
- Introduction to Cybersecurity by Cisco
- UiPath Automation Explorer For Students
- CLA: Programming Essentials in C Cisco
- Cybersecurity Essentials by Cisco

Skills

- **Languages**

Python, C++, HTML5, CSS, JS, Julia,java

- **Frameworks**

Django, Node.js, Express.js, Angular.js

- **Data Visualization**

NumPy, Pandas, Matplotlib

- **Tools**

Git, GitHub, VSCode, Cursor ,Jupyter Notebook

- **AI & Machine Learning**

TensorFlow, Scikit Learn, Keras, OpenCV

- **Databases**

SQL, MongoDB, PostgreSQL

Competitions and Achievements

- 4* in Codechef (top 5%)
- Knight Badge in Leetcode(top 2%)
- SustainAIthon finalist
- Golden Coders Gulf (First Runner up)
- Deployed a DeFi Smart Contract on Ethereum
- Qualified for ICPC semi - finals

Coding

- **Leetcode: 650**+ problems solved, 2033+ Rating
- **CodeForces :** 120+ problems solved, 1490+Rating
- **CodeChef:** Div 2, 1520+ problems solved
- **Geeks for Geeks:** Div 2, 3 *(Rating)