Karthik Rajan S

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EDUCATION

Easwari Engineering College	Aug'21 - May'25, Chennai, India

Bachelor of Engineering - Computer Engineering; CGPA: 8.6

Alwin Memorial Public School	Jun'19 - May'21, Chennai, India

12th Grade (HSC); Percentage: 95% & 10th Grade (SSC); Percentage: 91%

SKILLS

Languages	: Python, C++, JavaScript, Typescript, HTML, CSS, Bootstrap, Java, Tailwind CSS
Frameworks	: ReactNative, ReactJs, Streamlit, TensorFlow, Pandas, Numpy, Sci-kit-learn, RestAPI, Langchain, CNN, GenAI, RAG
Tools	: Git, Firebase, MySQL, PowerBI, VectorDB
Soft Skills	: Problem solving, Leadership, Time management, Decision Making, Communication, Adaptability

EXPERIENCE

Signa Tech Services Pvt Ltd | A Custom Software Development company leveraging the power of IT   **Chennai, Aug'24**
Data Scientist Intern
◦ As a Data Scientist and Product Development Intern, analysing data to support decision-making
and contributing to the development of innovative software solutions with a stipend of ₹25,000/month.

School Of Computing, National University of Singapore (NUS) And Amazon (AWS)   **Singapore, Jul'23**
Global Academic Internship Programme on 'Data Analytics using Big Data'
◦ Successfully completed Global Academic Internship Programme (GAIP) by Corporate Gurukul in collaboration with National University of Singapore (NUS), earning "A" grade, with a project score of 43.75/50, based on strong theoretical knowledge & practical application. Completed Training and Certification from AWS.

PK Innovatives | A Comprehensive IT Service Provider   **Chennai, Jan- Feb'23**
Android Application Development Internship
◦ Designed and developed a feature rich Android application improving and App performance

CERTIFICATION

- "**Data Analytics using Deep Learning**" certification from NUS Singapore during July 2023
- "**Data Analytics using BIG Data**" certification from AWS, Singapore during July 2023
- "**Web Development Training**" certification from Mood Indigo, IIT Bombay + Acmegrade, Aug-Sep'23
- NPTEL course (funded by MoE, Govt of India) in "**Privacy & Security in Online Social Media**" with a consolidated score of 78%, July-Oct'23
- NPTEL course (funded by MoE, Govt of India) in "**Data Analytics with Python**" with a score of 64% Jan-Apr'23
- **Frontend for Java Full Stack Development** certification, an online non-credit course authorized by Board Infinity and offered through Coursera
- Completed the **"Career Essentials in Data Analysis"** course by Microsoft and LinkedIn, gaining skills in data manipulation, visualization, and interpretation

PROJECTS

- **Crop Recommendation System with Plant Disease Detection |Python, Streamlit, AI/ML, Neural Networks(ResNet50)** - This model predicts suitable crop & disease of the plant grown, that can be identified WRT given input features.
- **Parkezy – A generic streamlined Intellectual Parking System using ALPR / RFID | Android studio, ALPR-API, Fire base, Java, RFID, Google Maps API** - This tool is comprehensive intellectual parking management & control system offering a user-friendly experience to both parking carriage & consumer
- **Deanonymization of illegal crypto transaction | Bitcoin Core, Python, React, Wireshark** - Developed a tool employing machine learning algorithms to classify transactions and wallets and analysing publicly available transaction information to form a Transaction Network Graph and identifying their IP.
- **Movie Ticket Booking UI (Inspired by BookMyShow) - Movie Booking Platform | AngularJS, Html, CSS** - Designed and developed a responsive user interface focusing on user-friendly navigation & movie listings.
- **Data Analysis Chatbot – A Conversational AI | Langchain, OpenAI, Python, FastAPI, ReactJs** – This tool is designed to assist users in performing data analysis tasks and provides visualizations for the user queries.

ACHIEVEMENT

- **Winner of Smart India Hackathon, 2023,** held at Amity University, Noida during Dec'23 which was organised by Ministry of Education
- Presented a paper in 7th World Conference on "Smart Trends in System, Security & Sustainability", Aug'23 (**accepted for springer LLN series in scopus indexed journal**)

HOBBIES/OTHER INTERESTS

Practicing coding questions | Learning on Data Analytics |Playing Cricket | Travelling | Volunteering Work