

Karthik Rajan S

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SKILLS

Languages : Python, C++, JavaScript, Typescript, HTML, CSS, Java
Frameworks : ReactNative, ReactJs, AngularJs, Streamlit, TensorFlow, Keras, Sci-kit-learn, RestAPI
Technologies : Android Mobile App development, Machine learning and Data Analytics
Tools : Git, Firebase, MySQL
Soft Skills : Problem solving, Leadership, Time management, Decision Making, Communication, Adaptability

EXPERIENCE

Internship

Singapore – June 2023

- **Global Academic Internship Programme** on 'Data Analytics using Big Data' in association with School of Computing @ **National University of Singapore (NUS)** and Amazon (AWS)
- **Android Application Development Internship** from PK Innovatives, Chennai, during Jan-Feb, 2023(Online)

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.

EDUCATION

Easwari Engineering College	Aug’21 - May’25, Chennai, India
<i>Bachelor of Engineering - Computer Engineering; CGPA: 8.6</i>	
Alwin Memorial Public School	Jun’19 - May’21, Chennai, India
<i>12th Grade (HSC); Percentage: 95%</i>	
Alwin Memorial Public School	Jun’18 - May’19, Chennai, India
<i>10th Grade (SSC); Percentage: 91%</i>	

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 that offer a user-friendly experience to both parking carriage holder and 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.

ACHIEVEMENT

- **Winner of Smart India Hackathon, 2023**, held at Amity University, Noida during Dec 2023 which was organised by Ministry of Education
- Presented a paper in the 7th World Conference on “Smart Trends in System, Security & Sustainability”, Aug’23 (**accepted for springer LLN serious in scopus indexed journal**)
- Successfully completed the **Global Academic Internship Programme (GAIP)** by Corporate Gurukul in collaboration with the National University of Singapore (NUS), earning an **A grade**, with a project score of **43.75/50**, based on strong theoretical knowledge and practical application.

HOBBIES/OTHER INTERESTS

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