

Pranav

Raveendran



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Education

B.E. Computer Science and Engineering SSN, Chennai | 2021 | GPA:8.04/10(6 semesters)

Class XII
TVIS, Chennai | 2017 | 93.8 %

Class X
SSVM, Coimbatore | 2015 | 10/10

Skills

Languages: C, Java, SQL, Python, C++, C
BlockChain: Ethereum, Solidity
Machine Learning: Deep Learning, CNN
IOT: Beacons, Raspberry Pi
AppDev: Android
WebDev : HTML, CSS, JS, node.js
Other: MS Office, Git, Unity, Research, LaTeX
Certifications: Deep Learning Specialization(Coursera), Solidity(Udemy),Node.js(Udemy), Unity(Udemy),Golang(coursera)

Extra-Curricular

ACM-Student Member
CSI-Volunteer

Work Experience and Internships

- Jan'19-Aug'20 **Research Assistant** Solarillion Foundation Chennai,
Deep Learning Group: Worked on prediction of flight delay times based on historical flight performance data and weather data. Worked on HRV Analysis using deep learning techniques.
- Jun-Jul'19 **Research Intern** DRDO, Chennai
Machine Learning Team: Worked along with Dr Venkatesan Scientist of E grade in developing a predictive Engine for chemical properties of various hydrocarbons based on their chemical smiles and fingerprints.
- May-Jul'20 **Technical Intern** GreenTurn Idea Factory ,Cochin
Worked along with the development team for creating a python based tool for obtaining a consolidated power consumption chart, Analysed data of different phases of an electrical unit for better understanding of the ecosystem

Research and Projects

- Jun-Aug'19 **Flight Delay Prediction using Machine Learning**
Worked on a machine learning based approach to predict arrival and departure delay of flights based on historical flight performance data and weather data.
- Jan-Dec'19 **Smart Attendance System using Beacons**
Worked on an app based attendance system which is fool proof using Beacons. This system is alternative solution for the traditional Facial recognition and rfid technology.
- Feb-Mar'19 **Secured transaction for farmers using Blockchain**
A web application to create a secured environment for farmers to acquire seeds and other chemicals from a certified seller in the market. This application is aimed at achieving high harvest returns for the farmer.
- Feb'20 **Drone Path Planning**
Simulated a optimal path for drones using Unity, R and Python
- Jan-Jun'19 **English Exam Server**
A web application for the English department in my university for conducting English proficiency exam which is been implemented using sockets, Node.js and Mongo DB

Achievements

- Mar'19 **Smart India Hackathon**
Selected for the Grand Finale of Smart India Hackathon (Top 12 teams in the country)
- Aug'18 **Best Paper Award**
Awarded for presenting the paper in the 9th National Conference on Recent Trends in Chemical,Energy and Environmental Engineering
- Jan'18 **Research Grant**
Received an Amount of 25000 for conducting my research on polymer for dye removal
- Jan'19 **Research Grant**
Received an Amount of 25000 for conducting my research on Beacons for Smart Attendance

Publications

- May'19 Journal of Polymer and the environment
An Eco-friendly Porous Poly(imide-ether)s for the Efficient Removal of Methylene Blue: Adsorption Kinetics, Isotherm, Thermodynamics and Reuse Performances
- Aug'20 First International Conference on Advances in Physical Sciences and Materials 2020 (ICAPSM 2020)
Student Attendance Manager Using Beacons and Deep Learning