Nandhakumar Ranganathan Ganesh

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TECHNICAL SKILLS

Languages: C, C++, Java, MySQL, JavaScript, HTML, CSS, Python, React JS, Typescript, Node JS, R.

Databases: SQL Server 2012, MongoDB, Fire Base, No SQL, SQL Lite, MS Access.

Platforms: Windows XP/Vista/10/11, Ubuntu, Linux, MacOS, AWS.

EDUCATION

Master of Science in Data Science, GPA: 3.7/4.0

Florida State University, Tallahassee, Florida   Aug 2023 – Dec 2024

Bachelor of Engineering in Computer Science, CGPA: 8.3/10

Kongu Engineering College, Perundurai, India   Aug 2019- May 2023

PROJECTS AND PUBLICATIONS /RESEARCH

Exponential Data Analysis using Regression Model.   Oct 2023- Dec 2023

- *Developed and refined diverse regression models in R.*
- *Conducted model diagnostics and predicted values.*

Soil Moisture Detection and Plant Recommendation using IOT enabled Wireless Sensor   Jan 2023 – June 2023

- *Designed IoT-based system for soil moisture monitoring and Nutrition monitoring.*
- *Enabled remote control and operation of devices based on soil moisture levels for farmers.*

Multi Class Classification of Monkey Pox using Mobile App with Conv2D & VGG-19   July 2022- Oct 2022

- *Developed a Keras model for classification and a Flutter Mobile App for users to detect pox.*
- *Submitted for International Journal Elsevier.*

Yolo Based License Plate Detection of Triple Riders and Violators   Aug 2022- Nov 2022

- *Computed Surveillance system built with YOLO and ANPR based algorithms.*
- *Developed a mobile app using Flutter for efficient tracking.*
- *Approved and published in ICCCI (IEEE) Conference 2023.*

PROFESSIONAL EXPERIENCE

Full Stack Web Developer Intern – Coats Group   Jan 2023- June 2023

- *Collaborated with the development team to design and implement web-based applications.*
- *Assisted in developing and maintaining responsive user interfaces using React.js.*

Web Developer Intern – Vance NXT, India   Oct 2021- Dec 2021

- *Designed user interfaces and Navigation menus.*
- *Reviewed and optimized site codes. Integrated multimedia content.*

MEMBERSHIP AND AWARDS

Team Lead, Project SUMO – Lead a team of 4 junior developers.   Jan 2023 – June 2023

Highest Paper Presenter of the Batch, KEC.   June 2023

Member & Coordinator, Student Research and Development Centre, KEC   Aug 2022 – April 2023