Ramnath K
Software Development Engineer

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Third year ECE undergrad. A software enthusiast seeking an opportunity where I can learn more about the in's and out's of developing an application and to make the best of my potential and contribute to the organisation's growth.

EDUCATION

BE in Electronics and Communication Engineering   **July 2019 — Present**
Sri Sivasubramaniya Nadar College of Engineering   *Chennai, Tamil Nadu*
- **CGPA:** 9.16/10 (first five semesters)

Class 12   **2019**
D.A.V. Boys Senior Secondary School   *Chennai, Tamil Nadu*
- **Score:** 463/500

Class 10   **2017**
D.A.V. Boys Senior Secondary School   *Chennai, Tamil Nadu*
- **CGPA:** 10/10

TECHNICAL SKILLS

Proficient in   Git, Github, C++, Python, NodeJS, ReactJS, JavaScript, MATLAB
Familiar with   JAVA, HTML, CSS, SQL, MongoDB, Machine Learning

ACADEMIC PROJECTS

STEGANOGRAPHY FOR MULTIPLE IMAGES   **August 2020 — October 2020**
- Developed a web based application called "StegnoGrapher" that hides multiple images and text messages within a single image.
- Tools used: NodeJS, ReactJS, MongoDB, Python

HEALTHIFY   **May 2021**
- Developed a web app called "Healthify" that helps patients avoid waiting rooms in hospitals during the Covid-19 pandemic.
- The app was developed as a part of e-Yantra Fighting Covid-19 Hackathon 2021.
- Tools used: NodeJS, MongoDB

SHORTEST PATH FINDER   **September 2021**
- Its a GUI that can find the shortest path from one point to another using A* algorithm.
- Tools used: Python

WAREHOUSE MONITORING SYSTEM   **October 2021**
- Created a machine learning model that can detect the presence of rodents, fire and humans inside a farm warehouse.
- Created a web API using NodeJS that can run the ML model on images and return a response.
- Also demonstrated the working of the entire IOT system by building a prototype.
- This project was developed as a part of Hackinfinity - a 24 hours national level Hackathon.
- Tools used: Python, Tensorflow, NodeJs, Firebase, Raspberry Pi

COURSES

- NPTEL: Programming In JAVA - finished as a **Topper** by coming in the top 5 percentile all over India

- NPTEL: Fuzzy Sets, Logic and Systems Applications - finished as a **Topper** by coming in the top 5 percentile all over India

- NPTEL: Artificial Intelligence Search Methods for Problem Solving

- NPTEL: Embedded System Design with ARM

ACHIEVEMENTS

- **Web Developer** - currently working on developing backend features for SSN ECE Tech Club website.

- **Second runner** up in a 24 hours long national level hackathon conducted by SSN College of Engineering (HackInfinity) for providing a solution that can alert farmers the presence of rodents, fire and humans inside the warehouse.

- One among the **top 81 teams** out of 207 submissions in e-Yantra Hackathon 2021.