Suryarajan S

Full-Stack Developer | Engineer

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EDUCATION

- Pursuing **Bachelor's Degree - Computer Science & Engineering** in Chennai Institute of Technology
  Duration: 4 Years | Expected Graduation: May 2021 | CGPA: **8.45**
- Completed **AISSCE (CBSE 12th)** in Sindhi Model School with **86.4%** in Chennai | 2017
- Completed **AISSE (CBSE 10th)** in Sindhi Model School with **92%** in Chennai | 2015

WORK EXPERIENCE

Rapid Acceleration Partners LLC   **May 2020 - Oct 2020**

Team Lead | Full-Stack Developer | Internship | Remote

- Worked in an **agile environment**, with status calls every morning and sprint planning every week. Obtained good remarks for completing tasks on time.
- **Developed Web Application** to verify data in documents recognized by an AI bot with **React** and **Redux** for front-end and **NestJS** for backend with a **PostgreSQL** database.
- Experimented and **developed test cases** with **Cypress.io** for the whole product.
- The application was **scalable** and was able to efficiently handle more requests per minute.
- **Mentored a team** developing a web application for RPA Bot orchestration and monitoring.

Mando Automotive India Ltd.   **Sep 2018 - Mar 2019**

Full-Stack Developer | Internship | Chennai

- **Developed Web Application** to manage employees across two plants with **React** for Front-end and **Node.js** and **Express.js** for backend with **PostgreSQL** for the database.
- Was **quick on the uptake to learn** leading technologies such as Express.js, React that were used for development.
- After hosting, the application was able to **efficiently manage over 1200 employees**.
- Received **honorary prize** for building a scalable application that reduced the manual load the HR team performed to communicate with their employees.

TECHNICAL SKILLS

- **Programming Languages** -- Python | C++ | Java
- **Front-end Technologies** -- React | Redux | TypeScript | Electron JS | VanillaJS | JQuery | Bootstrap
- **Back-end Technologies** -- Node.js | Express.js | Nest | Flask
- **Database** -- PostgreSQL | MongoDB | MySQL
- **Artificial Intelligence & Machine Learning** -- Tensorflow | Keras | OpenCV
- **Versioning and other tools** -- Git | Docker | Heroku | Nx Workspace | Cypress.io

PROJECTS

Data Storage and Analytics with Dashboard   Aug 2020

- A cross-platform desktop application developed with Electron and React for the front-end and NestJS and TypeORM for the back-end to collect and visualize the data for the schools in the state of Sikkim.
- The application will also work in offline situations as the network connectivity in Sikkim is not reliable.

Cynological Analyser   Mar 2020

- A web application for the classification of canine breeds which is built using a neural network with TensorFlow.
- The model is deployed for experimenting on a web platform developed with Flask for backend

Skill Inventory Dashboard   Sep 2019 – Dec 2019

- A website developed for **WABCO** to display the skill overview of all employees in the company and allot them with machines with which their skills match.

ACHIEVEMENTS

- **Finalist** of **Smart India Hackathon 2020** conducted by **MHRD**. Received positive feedback and appreciation for our concept.
- Finalist of **HackWithInfy 2020** conducted by Infosys.
- **Pre-finalist** of **Techgium 2019 - 2020** conducted by **L&T Technology Services Limited** where we presented an abstract on Smart Key with IoT and Cryptography.

ACTIVITIES

- COVID-19 Webinars
  - **Conducted several webinars** during the COVID-19 lockdown period to provide awareness about the latest technologies to high school students on topics like Python Programming, and Artificial Intelligence.
- **Artificial Intelligence Workshop, Takshashila 2020**
  National Level Techno-Cultural Fest, Chennai Institute of Technology
  - Conducted the workshop for **two days with two sessions per day** for over **200 students**.
  - Linear Regression Classification and Convolutional Neural Networks were explained.
- **TensorFlow Workshop, Hackerz 2019**
  National Level Technical Symposium, Chennai Institute of Technology
  - Conducted the workshop for over **100 students**.

COURSES & CERTIFICATES

- N5 Level in **Japanese-Language Proficiency Test**
- Data Structures in **Coursera**
- Algorithmic Toolbox in **Coursera**
- Full-Stack Web Development with React and Express Specialization in **Coursera**
- Intel® Edge AI Scholarship Foundation Course Nanodegree Program in **Udacity**
- Theory of Computation in **NPTEL**