

SUMMARY

Graduate student with 3.6 years of experience in developing analytical dashboards, microservice - based web applications, and to deliver data analytics and advanced data - driven methods. Ability to design and program any embedded system. Actively developing skills in creating edge predictive models, NPL, and deep learning solutions.

EDUCATION

- Bachelor of Engineering in **Electronics and Instrumentation Engineering** | Anna University | Valliammai Engineering College | 2012 – 2016 | G.P.A: 7.18
- Higher Secondary Certificate | State Board | S.B.O.A. Matriculation School | 2011 – 2012 | 87.25 %
- Secondary School Certificate | Central Board of Secondary Education | M.E.S Indian School (Qatar) | 2009 – 2010 | 8.4

TECHNICAL SKILLS

- **Programming Languages** : Embedded C, Java, Python, PL/SQL, JavaScript.
- **Data Platforms** : PostgreSQL, MySQL, Neo4j.
- **Microprocessor Tools** : Raspberry pi, Arduino.
- **Other Tools** : MATLAB, Eclipse, Visual Studio, MPLab, Anaconda.
- **AI/Machine Learning** : TensorFlow, NumPy, Pandas, Matplotlib.

PROFESSIONAL EXPERIENCE

Systems Engineer, Tata Consultancy Service (TCS), India

Mar 16, 2017 - present

- Worked on a next-gen delivery system called “Prime” being developed in TCS which is monitored by the CEO’s Centre of Excellence and Chief Technology Officer. Architected as a platform of multiple workspaces and several applications, it is a one stop solution that caters the organizational needs of a multinational tech giant like TCS.
- Created real-time dashboards supplemented by intuitive analytics & reports using Tableau.
- Delivered periodic reports and decks for reviews on business metrics (as Risk, Productivity, Customer Experience).
- Worked as a full-stack developer in agile methodology with primary focus on the backend development
- Developed RESTful Web Services using Java, RDBMS, Spring, Hibernate, Spring Boot to develop the application.
- Performed database tuning to reduce query processing time in the global search module of the application.
- Completed E0, E1 Certification in Data Science, Java, R Programming, Python, Internet of things, Agile and AWS.

ACADEMIC PROJECTS

FINAL YEAR PROJECT

- **Autonomous Quadcopter**
 - **Objective:** To eradicate the transportation of organs through ambulances which is time consuming, leads to loss of lives.

- **Description:** - It is a self-driven quadcopter which is able to deliver the organ from one point to another without human intervention. This UAV is capable of overcoming the obstacle during

the flight through software which is embedded into it. It also has a speed controller which adjusts its speed by the response given by the sensor in the machine.

- **Key – Components:** Micro Controller, sensors (ultrasonic sensors and gyroscope sensors) and motors.
- **Language:** Embedded C
- **Concept mimic:** Artificial Intelligence

MINI PROJECTS

- **Smart trolley** - This project helps in comforting the customer at malls during shopping by following the customer, calculating the price tag and communicating to the cashier when the trolley reaches by.
- **Word Detection using hand gestures** – This goal for this project is to provide seamless communication between hearing impaired people and ordinary people.
- **Gas Leak Detection for Kitchen** – It alerts the user by sending the message whenever it detects any gas leaks to prevent accidents.

OTHER PROJECTS (IT oriented)

- Designed web site for displaying the cases of Covid 19 across the world in enrich graph and tabular form.
- Designed a web site with angular and microservice-based spring boot project for reviews based on the movies

SCHOLASTIC ACHIEVEMENTS

- Won several prizes for the paper presentation at Intra level symposium.
- Recognized as the “Best Innovative project” for the autonomous quadcopter at our college.
- Done several certifications in Udemy courses for Machine learning, Spring Boot and Embedded systems.

EXTRACURRICULAR ACTIVITIES

- As a class representative for the EIE department for two years, which aims in assisting students by articulating their interests, concerns or suggestions in our general assembly meeting being conducted at the last working day of each month.
- As an event organizer for a paper presentation at our symposium.
- Runner - Up for Chess Competition held at Valliammai Engineering College.