SANJAYKUMAR RAMACHANDRAN

+44 7833 834364 | sanjay94871@gmail.com

OBJECTIVE

I would like to be a part of an organization where I could use and enhance my knowledge and talent for the development of both the organization and me.

EXPERIENCE

1. **Employer:** Bosch Global Software Technologies Private Limited.

   Associate Software Engineer | January 2021 – June 2022

   Responsibility: Base Software Developer for Automotive power steering

   - Proficient in configuring and integrating Autosar Bsw (OS, DEM, NvM, EcuM, BswM, CAN and UDS).
   - Hands on expertise in Automotive vector tools like Canape, Canalyzer.
   - Experience in using tools like Jenkins, GIT, JIRA, IBM DOORS, Clearcase
   - Expertise in Python and C Language

2. **Employer:** Sierra 1 Security Stewarding

   Oct 2022- Present

3. **Employer:** EVRI Warehouse Operative

   Nov 2022- Present

EDUCATION

Bachelor of Engineering in Computer Science and Engineering from Coimbatore Institute of Technology, Coimbatore, India   **June 2016** - **Sept 2020, CGPA 8.41/10**

Master of Science in advanced computer science from University of Sheffield, Sheffield, United Kingdom   **Sept 2022 - Pursuing**

TECHNICAL SKILLS

- HTML, CSS, React, NodeJS
- C, Core Java, My SQL, MongoDB
- Python
- Android application development (Kotlin)
- System Administration
- Parallel programming (GPUs)
- Web Development
- Software Reengineering

PROFESSIONAL AND ACADEMIC PROJECTS

Masters (2022-2023)

1. **Project Title:** Bird Sighting Application

    a. **Category:** Intelligent Web Project

    b. **Tools used**: JavaScript, HTML/CSS, NodeJS, MongoDB, Git

    c. **Description**: The main purpose of this project is to create a blog website application to post bird sighting photos. the users can create reports (= stories), access them, annotate and comment on them. The project involved caching, local storage and No-SQL database server storage.Used Node.js to implement chat interface, coupled with real time annotation processing using web sockets and local storage to achieve high performance.

2. **Project Title:** Solar Offset

    a. **Category:** Team Software Project

    b. **Tools used**: JavaScript, HTML/CSS, NodeJS, MongoDB, Git

    c. **Description**: The main purpose of this project is to create a website to allow users to invest fundings on solar panels.

3. **Project Title:** Library management system

    a. **Category:** Java Individual Project

    b. **Tools used**: Java AWT, Core java, Event handling, java swing.

    c. **Description**: The project involves creating desktop application that allows users to search, borrow and return books and librarians to add, modify, remove books and users.

4. **Project Title**: City-based personal photo management application

    a. **Description:** To Implement, design, build and evaluate a city-based travel application consisting of an images or photo display of attractions and places

2

of interests around a city (Sheffield, London, Manchester, etc.) user have visited or been to. User are able to receive and edit relevant information about the images on mobile device and to organize them along geolocated visits.

    b. **Tools used:** MVVM, Multithreading, Room database, Android studio, Git.

Bachelors (2016-2020)

1. **Project Title:** Water Level Monitoring System

   a. **Domain:** Internet of Things.

   b. **Tools used**: C, JavaScript, HTML/CSS.

   c. **Description**: The main purpose of this project is to monitor the usage rate of water and provide detailed analysis of water usage to the user.

2. **Project Title:** Students performance prediction

   a. **Domain:** Artificial Intelligence.

   b. **Tools used:** Python, Scikit

   c. **Description**: The main purpose of the project is to predict the student's academic performance using his/her socio-economic details and previous performance.

Additional Projects

1. **Project Title:** Bosch Lab Bench Booking WebApp

   a. **Domain:** Web Application

   b. **Tools used:** Javascript, HTML/CSS, React, Node.js, MongoDB.

   c. **Description**: The main purpose of the project is to allow users to book for Bosch Laboratory Bench for selected time along with the equipment.

EXTRA-CURRICULAR ACTIVITIES

- Pencil portrait artist
- Badminton player