

Raveen A

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EDUCATION

BE in Computer Science

KONGU ENGINEERING COLLEGE

Cum. GPA: 9.62

Erode, TamilNadu, India | 2023

WORK EXPERIENCE

MAERSK | SOFTWARE DEVELOPER INTERN

Bangalore, Karnataka, India | May 2022 – Present

- Worked with **ReactJs** for front-end and **FastAPI** for back-end along with **PostgreSQL** to build a dashboard that helps in optimising and efficient use of fuel in ships.
- Used **Pandas** and worked with a huge amount of data for manipulating and analysing the data which will be displayed in the front-end using interactive graphs and table.
- Used **Tanstack Table** and improved the performance of the front-end by using **virtualized rows** which received applause from users as well as fellow developers.
- Used **E-chart** and developed a synchronized scrollable chart.
- Developed an **enhanced search feature** that lets the user to see suggestions as they type in the search bar.
- Made the **database secure** by creating new users and role.
- Wrote **clean code** which received honours from fellow developers.

ARIMA LABS | SOFTWARE DEVELOPER INTERN

Chennai, Tamilnadu, India | Aug 2021 – Oct 2021

- Developed a dashboard using **ReactJs** and **TypeScript** to visualize vehicle data passing through traffic signals.
- Built the backend using **Django** and connected it to **MySQL DB**.
- Optimized the **search performance by over 30%** by **restructuring the database schema** and running **optimized queries** for filtering results based on the filter conditions
- **Reduced the system RAM usage by over 40%** by storing the images in a hierarchical manner rather than storing all the images in a single folder.
- Created a **live feed server** for streaming live traffic camera's feed.
- Made the portal accessible only for authorised officials.
- All code was reviewed and **pushed to production**.

CAMAFORD | ANDROID DEVELOPER INTERN

Erode, Tamilnadu, India | Dec 2021 – Jan 2022

- Developed a mobile application using **Flutter** and **Firebase** creates a platform for photographers.
- Used **HereMaps** for location based search and also divided users into 8 categories based on their location.
- Used **Firebase Cloud Messaging** to send personalized notifications to respective category.
- Used **GetX** as state management tool and wrote **efficient** and **readable code** which received appreciation from fellow developers.
- Used **AWS S3** to store images and other blobs.

PROJECTS

PORTFOLIO

REACTJS, GSAP

My Portfolio build using **ReactJs** with some awesome interactive animations using **GSAP**.

PATH FINDING VISUALIZER

REACTJS

A web application that helps visualizing **popular path finding algorithms** like dijkstra, a* with cool looking animations.

BILLS APPLICATION

FLUTTER, FIREBASE

A cash book application that keeps a **digital log of their financial transactions** for better money management

SORTING ALGORITHMS VISUALIZER

HTML, CSS, JS, P5JS

A web application that visualize some **popular sorting algorithms** like bubble sort, quick sort and merge sort.

STONE PAPER SCISSOR GAME

HTML, CSS, JS

This is a **web page based game** where you can play stone paper scissor against a computer.

SKILLS

Languages: Java, Python, JavaScript, TypeScript, C, SQL, Dart

Web Development: ReactJS, Angular, HTML/CSS

Mobile Development: Flutter, Dart, Java

Backend Development: FastAPI, NodeJs, ExpressJs, Django, Flask, Firebase

Databases: : PostgreSQL, MySQL, MongoDB, Cloud Firestore.

Other technologies: Git, Github, Docker, Kubernetes, Pandas, Numpy, AWS, Azure, Figma