Raveen A

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EDUCATION

BE in Computer Science   Erode, TamilNadu, India | 2023
KONGU ENGINEERING COLLEGE
Cum. GPA: 9.62

WORK EXPERIENCE

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