SAGAR VASHNAV

Software Developer

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EDUCATION

K.R. Mangalam University
SEPT 2020 - JULY 2024
B.Tech in Computer Science & Engineering

SKILLS

- **Cloud-AWS**
- **Node.js**
- **Express.js**
- **React.js**
- **Next.js**
- **MS SQL**
- **Docker**
- **MongoDB, Mongoose**
- **Data Structure & Algo**
- **Git & GitHub**
- **HTML/CSS**

LANGUAGES

- **JavaScript**
- **C++**
- **Shell/Bash**
- **Java**
- **Python**

ORGANIZATIONS

The Linux Foundation
Sept 2023-Nov 2023
Linux Kernel Mentee

CSI, KRMU
Jan 2022-Dec 2022
Tech Lead

EXTRA CURRICULARS

- Led a national level hackathon "Hack KRMU 2.0", with 250+ participants.
- Organized 10+ sessions and events related to open-source, hackathons.

EXPERIENCE

K.R. Mangalam University | Full Stack Developer Intern
October 2022 - March 2023, On-site

- Developed a **web application** for college canteen using **MERN Stack** ensuring compatibility across **different browsers and devices** to handle a traffic of more than 4k+ students.
- Utilized version control systems (Git) for collaborative development, maintaining a clean an organized codebase with **100% code repository accuracy rate**.

AICTE NEAT | AWS Cloud Developer Intern
July 2022 - September 2022, Remote

- Designed and implemented scalable cloud architectures on AWS, managing **50+ EC2 instances**, **20+ TB of data on S3**, and optimizing **5 RDS databases**. Automated 15 processes with Lambda functions.
- Utilized IAM to enforce strict access controls, reducing unauthorized access i**ncidents by 95% and ensuring 100% compliance**.

ACHIEVEMENTS

Mentor, Organizer In 2022 (HACK KRMU 2.0)

- *HACK KRMU 2.0, the second iteration of the HACK KRMU hackathon series, is a 3-day event that will equip students with real technical and collaboration skills to hack together a project. Hosted by K. R. Mangalam University, this is an event created for students, by students. As an organizer, I was asked to form a set of tasks for the pre-university student. As a mentor analyze the total work and assign marks/points to the students finally.*

PROJECTS

WinkEat

- Developed a full-stack food ordering web application using **MERN Stack (MongoDB, Express.js, React.js, Node.js)**.
- Implemented 10+ features such as **user registration** and **authentication**, restaurant listing, menu display, cart functionality, order placement and order tracking.
- Integrated a secure payment gateway for seamless **payment processing**.
- Utilized context for efficient **data management** and Axios for handling **20+ HTTP requests**.

Fit-Me App

- Developed a comprehensive fitness Android app from scratch, featuring user login, **Firebase integration**, **live chat functionality**, and BMI calculations.
- Enabled **real-time interactions** with fitness trainers and users through **Firebase Cloud Messaging**, resulting in a **50% increase** in user engagement.
- Stayed updated with the latest Android development practices, exploring new technologies to enhance the **app's functionality** and **user experience**.