

AAYUSH PARMAR

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Education

SRM University - 9.4/10

Bachelor of Science in Computer Science

Sep. 2020 – May 2023

Chennai, TN

Sindhi Model Senior Secondary School - 93/100

CBSE - Commerce with General Mathematics

Aug. 2018 – May 2020

Chennai, TN

Work Experience

Subspace Technologies

Software Engineer Intern

Nov 2023 – July 2024

Bengaluru, Karnataka

- Developed an advanced in-browser code editor for editing dashboard components, incorporating role-based access control to ensure restricted access. Utilized Vue.js for the front-end development and Node.js for the back-end, enhancing the system's security and functionality.
- Made Python Scripts to keep the mobile plans data realtime up-to-date with server. So that It dosent have to be redundantly and manually updated.
- Integrated the Prepaid Payment Instruments (PPI) API, streamlining payment processes and enhancing transaction efficiency.
- Developed numerous efficient and useful APIs using Node.js with Express and Python with FastAPI, facilitating seamless integration and improved performance across various applications.

Freelancing

Full Stack Developer

May 2023 – Nov 2023

Chennai, TN

- Built a jewellery website with Hasura GraphQL for managing items and real-time availability updates, leveraging Azure for asset storage and website hosting. Implemented Node.js for the backend to ensure efficient functionality and integration.
- Developed a straightforward web application to display event locations, integrated with statistical analysis to gather user data effectively.
- Created a photography website using React from the ground up, enhanced with CloudFront for CDN capabilities, and managed S3 storage for efficient image retrieval and delivery.
- Developed an Excel macro to generate links for WhatsApp pre-defined messages, streamlining event invitation sending process efficiently

Technical Skills

- **Programming Languages:** Java - Spring Boot, C / C++, Python - Django - Fast API, NodeJS - Express, Python - Panda - TensorFlow
- **Database Management:** Hasura GraphQL Engine, Postgre SQL, MySQL
- **Cloud Services:** Microsoft Azure, Amazon Web Services, Google Cloud Services, Git - Github
- **Backend Technologies:** Docker, Kubernetes, Redis
- **Frameworks:** React - React Native, VueJS, Flutter, Android Studio
- **Softwares:** Adobe Photoshop, Adobe Premier

Leadership / Extracurricular

DSA - Directorate of Student Affairs

Full Stack Developer

Nov 2022 – Jan 2023

SRM University

- Designed and developed the cultural events website for SRM University utilizing Figma, ensuring a visually appealing and user-friendly interface.
- Led the front-end team to create a visually appealing website with an integrated dashboard for event registration.
- Created and managed a secure ticketing system for SRM Cultural Events, ensuring reliable and efficient ticket distribution.

Projects

Polaroid-Version-Control | *Python, boto3 - Amazon SDK*

July 2024

- Developed a simplified yet robust Git control system in Python, designed specifically to manage and track folders within a parent directory, providing version control capabilities similar to Git.
- This script efficiently manages newly created, edited, and deleted files, updating their status and ensuring accurate tracking and management within the system.
- Implemented a script using boto3, the Amazon SDK, to simultaneously update S3 storage, ensuring efficient and automated management of file changes without manual intervention.

MinecraftMQTT | *Java, Minecraft, Forge, Arduino, NodeMCU, Siri*

November 2020

- Developed a Minecraft Game mod/plugin enabling control of real home appliances such as lights and fans, bridging virtual gameplay with real-world functionality for an immersive gaming experience.
- Utilized Arduino with NodeMCU for Wi-Fi capabilities to connect to a server, integrating relays for controlling real-world appliances, thereby enabling remote management and automation through network connectivity.
- As an additional feature, integrated a HTTP request in the Shortcuts app on iOS, enabling voice-controlled management of real-world appliances, enhancing user convenience and automation capabilities.

IoTWater | *Java, Android Studio, NodeMCU*

October 2020

- Designed an app that allows users to remotely water their plants from anywhere in the world while also providing real-time moisture level monitoring, ensuring optimal plant care and convenience.
- Developed NodeMCU code to control a 5V DC water pump, enabling users to water plants on demand via remote commands, ensuring efficient and customizable plant care solutions.
- Implemented continuous publication of moisture sensor values using NodeMCU, enabling users to monitor and track the moisture level of plants in real-time through a connected interface or application.

quickAccess | *HTML, CSS, Javascript*

December 2023

- Created a browser web extension that allows users to replace frequently used words or phrases with commands, such as using "//userid" to retrieve a user's UUID, enhancing efficiency and productivity during browsing sessions
- Developed a user-friendly UI for adding and removing quick-access commands in a browser web extension and customization of shortcuts for enhanced productivity.

Polaroid | *Python, Selenium, Google Cloud Console*

July 2024

- Developed a full-stack project from scratch using React, encompassing front-end components, state management, and interactive user interfaces, integrated with a backend API for data management and server-side operations.
- Integrated AWS CloudFront for CDN caching of images in a React project to significantly reduce load times, ensuring faster and more efficient delivery of content to users
- Incorporated 3D designs into the website's UI to enhance user interactivity and engagement, providing a visually immersive experience that captivates and retains user interest effectively.

Smartendance | *React-Native, NodeJS - Express, Hasura GraphQL*

June 2022

- Developed an app that enables attendance registration through QR code scanning, providing a convenient and efficient way to track attendance for classrooms.
- Developed a QR code-based attendance registration app with dynamic refresh functionality, ensuring secure and efficient event management through real-time scanning updates.