AJAY SHARMA

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WORK EXPERIENCE

ZEKYAA | FULL STACK INTERN   Remote - Sydney, Australia | Sept 2023 – Jan 2024
- Built and maintained an **interactive dashboard** using **NextJS**. It enables customers to **track calls**, **monitor their subscription usage**, and **configure the AI receptionist**.
- Built and maintained a robust API backend using **NestJS** that powers the **dashboard** and handle **subscriptions**.
- Contributed to the development and enhancement of the existing **AI receptionist** written in **Python** and **Go**.

MICROSOFT | SWE INTERN   Onsite - Hyderabad, India | May 2023 – July 2023
- Improved **IaaS VM discovery** by integrating **Azure Resource Graph (ARG)**, addressing challenges related to unauthorized and obsolete VMs. This enhancement not only bolstered system performance but also refined user experience with the incorporation of **server-side pagination and advanced data navigation.**
- Spearheaded **Phase 0 migration of Azure Backup Restore** transitioning from Knockout to React with reusable components, achieving a **remarkable 5x surge in performance** and an outstanding **Lighthouse score of 98+**, indicating premium user experience and system efficiency.

CONBI | FRONTEND ENGINEERING INTERN   Remote | Jan 2023 – Apr 2023
- Led the creation of **Airbook, a Analysis and Plannig** tool for data analysts and executives, utilizing **React JS**, **Tailwind CSS**, **Supabase**, **Google Cloud Functions** and **Google BigQuery**.
- Implemented a 'Notion'-style notebook with **real-time** and **offline** collaboration using **IndexDB**, **YJS**, **WebRTC** and **WebSockets**, complemented by elegant data visualization using **Charts.js**, **TipTap** and **Daisy UI**.
- Employed **Redux for efficient state management** and architected **high-performance reusable React components**, in close collaboration with the **CEO & CTO**.

MY ANALYTICS SCHOOL | SOFTWARE DEVELOPMENT ENGINEER INTERN   Remote | Aug 2022 – Dec 2022
- Spearheaded the enhancement of the **e-learning platform** utilizing **React JS**, **Tailwind CSS**, and **Redux** on the frontend, complemented by **Spring Boot**, **PostgreSQL**, and **Google Sheets API** on the backend. Overhauled critical website segments, integrated a **responsive chatbot**, and **injected analytics** for user engagement insights.
- Effectively **deployed backend services** on **AWS EC2**, **stationed the database** on **AWS RDS**, and **streamlined frontend hosting** through **AWS Amplify**, ensuring optimal uptime and scalability.

PROJECTS

AUTO ANALYTICS ⬀   REACTJS, MUI, CHARTJS, DJANGO, DJANGO REST FRAMEWORK, PANDAS
A **full stack web application** to **analyze automotive industry data** with the integration of **robust tools** such as a **dashboard**, **data analyzer**, and **sales forecaster**.

SIXTEEN - MEETINGS APP ⬀   REACTJS, TAILWINDCSS, SOCKET.IO, WEBRTC
A full-stack web application designed for conducting **online meetings**, built with **Node.js**, **React.js**, **WebRTC**, **Socket.io**, and **Tailwind CSS**. This app offers **multiple room support**, **audio** and **video conferencing**, **group chat functionality**, and the ability to **share links**.

TECHNOLOGIES

Languages: Python, Go, SQL, JavaScript, TypeScript, C/C++
Web Developemnt: HTML/CSS, ReactJS/NextJS, Svelte/SvelteKit, NodeJS, NestJS, ExpressJS, Django, Flask, Spring Boot
Databases: MongoDB, SQlite, MySQL, PostgreSQL
DevOps & Cloud Services: Docker, AWS, Google Cloud, Firebase, Supabase

EDUCATION

B.Tech in Computer Science   Delhi, IN | 2020 - Ongoing
NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY
CGPA: 7.94 / 10