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Education

JMIT, Yamuna Nagar   **Haryana, India**   **Aug 2018 – Jun 2022**
- **Bachelor of Technology in Computer Science and Engineering, CGPA: 8.89**
- **Relevant Courses:** Data Structures and Algorithms, Big Data, Computer Analytics, Database System And Administration, Operating Systems and Computer Networking.
- **Responsibilities:** Smart India Hackathon Coordinator, Teaching Assistant for courses: Basics of Javascript with Dev.

Work Experience

Project Engineer   **CDOT (Govt. Of India), New Delhi**   **Februray 2023 - Present**
- Contributed to the development of the Quantum Key Distribution Manager's backend, which concurrently manages various nodes, their applications, links, and interfaces. The system facilitates connections with hardware, allowing for the observation of diverse parameters.
- Designed and implemented diverse algorithms to furnish topological information and address various essential aspects of distinct hardware nodes.
- Enabled proficient and rapid communication between two integrated software systems through the utilization of web sockets and REST APIs.

Full Stack Developer, Intern   **Live Eye Surviellance, Seattle, USA**   **October 2021 – January 2023**
- Enhanced the backend functionality of a business management application developed in the AngularJS and NodeJS frameworks. The focus was on improving efficiency, catering to diverse business types, and minimizing errors.
- Significantly optimized web application execution time, reducing lead creation duration from 1 second to 0.4 seconds, employing MongoDB database and socket programs.

Languages and Technologies

- **Programming Languages:** Javascript, Python, .NET
- **IDEs and Programming Tools:** Visual Studio Code, Sublime Text
- **Other tools/ frameworks:** Serverless, NodeJS, MongoDB, Docker, Realm, Webhooks, Type ORM, AWS, Websockets, ReactJS, MySQL, Sequelize

Projects

- **Bookhere (Travel Booking Application):** Developed a versatile software solution capable of crafting itineraries manually and automatically to meet the diverse requirements of both B2B and B2C partners. The system seamlessly generates virtual tickets and tracks various travel expenses based on the preferences of selected users or travel agents. *(NodeJS, ReactJS, MongoDB, GCP, Socket Programming, ChatGPT, Text Extraction, AWS)*
- **Business Managment Portal (CRM):** Created a comprehensive software solution that facilitates lead generation both manually and automatically, tailored to individual requirements. The software includes features for showcasing service demo images and video links. Additionally, it efficiently maintains and provides track records for each lead individually. *(NodeJS, AngularJS, MongoDB, MySQL, Socket Programming, Realm, Video Streams, AWS)*
- **HR Management Portal (ERM):** Engineered a web application solution designed to significantly ease the workload of the human resource team, enhancing efficiency with minimal effort. The solution integrates components such as attendance tracking and others, ensuring simultaneous monitoring of various aspects for comprehensive management. *(NodeJS, EJS, ExpressJS, MongoDB)*
- **Gestures and Face Recognization Application:** Implemented advanced video editing functionality, including the transformation of videos to generate cover images. Incorporated gesture recognition within the video, identifying various aspects, and enabled a direct calling feature to the police for enhanced security. Utilized Raspberry Pi for text extraction, contributing to the overall security measures for store owners. *(Mongo DB, Express JS, Python, Node JS, PM2)*

Honors and Awards

- **Persuasive Speaker:** Represented JMIT at various Model United Nations (MUN) and Open Mic challenges during the academic year 2018-19 and received recognition as a Persuasive Speaker.
- **SIH:** Represented JMIT at the college level in a national business problem-solving competition, securing the 2nd rank.
- **NCC 'A':** Achieved the National Cadet Corps' top shooting certification with an 'A' certificate in 2019..
- **Extra Miler Awards :** Recognized for outstanding performance in delivering optimal and tailored enterprise solutions for diverse businesses.