Sandeep Kumar K.

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EDUCATION

IIT Kharagpur   Kharagpur, India
Bachelor of Technology in Electronics & Electrical Engineering   2019 -2023

Work EXPERIENCE

● **DSP Asset Managers -** Full Stack Developer   Bangalore, India
Responsibilities: August 2023 – Present

   o *Led the development of two critical modules for the company's intranet, employing React for dynamic UI, Node.js and Express for backend logic, and PostgreSQL for database management.*

   o *Implemented comprehensive CRUD operations, facilitating real-time user interactions and dynamic updates within the intranet environment.*

   o *Designed and integrated a role-based notification system, ensuring timely administrative alerts for user actions requiring approval, according to the company's hierarchical protocols.*

● **St. Broseph Foundation -** Technical Project Manager   Karnataka,India
Responsibilities: November 2023 - Present

   o *Led the UI/UX design team, gaining insights into Figma designs and Builder.io, while ensuring optimal screen adaptations across various devices, enhancing user interface and experience.*

   o *Oversaw the front-end and CRM teams, acquiring knowledge on component development from initial designs and understanding the necessity of front-end frameworks to facilitate efficient developer engagement.*

   o *Directed the App Development team, mastering the end-to-end process of building applications from inception to launch on both the Google Play Store and Apple App Store, navigating the unique challenges presented by different operating systems.*

   o *Acquired practical experience in cross-platform development, utilizing React Native to construct a unified codebase for Android, iOS, and PWA, streamlining the development process and ensuring consistency across platforms.*

   o *Fostered interdisciplinary collaboration and agile project management practices, ensuring seamless communication between design, development, and operational teams, thereby accelerating project timelines and enhancing overall project quality.*

●**Mann Talks -** Data Analyst Intern   Mumbai, India
Responsibilities: June 2022 – July 2022

   o *Gained practical experience with advanced software tools including ElasticSearch, Kibana, Kapture, and Ozonetel, broadening my technical skill set.*
   o *Led the extraction and cleansing of data from Ozonetel and Kapture, followed by its efficient integration into ElasticSearch for improved data accessibility.*
   o *Innovated the data handling processes by automating extraction, cleaning, and integration tasks using Python, enhancing operational efficiency.*
   o *Utilized Kibana to create diverse data visualizations, ensuring complex data sets were interpreted and presented effectively for actionable insights.*

ACADEMIC PROJECTS

● **Custom Alexa [[GitHub](#)]** Tech stack and Modules: **Python, Tkinter, Speech Recognition**

   ◦ *A shell powered Alexa app designed to enhance daily routines through voice commands, offering features like personalized joke curation, music streaming, and efficient management of virtual meetings. By leveraging advanced voice recognition, this app transforms Alexa into a personal assistant that understands individual preferences and needs, providing tailored entertainment, information, and connectivity solutions directly through your everyday devices.*

● **ShareCar [[GitHub](#)]** Tech stack and Modules: **PHP, JavaScript, MySQL, HTML, CSS**

◦ *ShareCar is an advanced ride-sharing application used to connect drivers with passengers sharing similar travel itineraries. The platform integrates real-time geolocation tracking, user profile matching, and automated scheduling to facilitate efficient and reliable carpooling arrangements. Designed with a user-friendly interface, ShareCar enables individuals to effortlessly post and browse travel routes, ensuring optimal route alignment and time coordination between commuters. The system incorporates secure authentication, privacy controls.*

• **AutoGreet [[GitHub](#)]** Tech stack and Modules: **Python, HTML**

  ◦ *AutoGreet is an automated birthday greeting bot designed for social media platforms, utilizing scraping to identify users' birthdays and send personalized wishes. The bot integrates with platform APIs to seamlessly fetch birthday data and schedule messages, ensuring timely and customized greetings. Its lightweight, serverless architecture allows for efficient scaling and maintenance, offering a user-friendly setup that enhances social connectivity without manual intervention.*

• **SelfNote Emulator [[GitHub](#)]** Tech stack and Modules: **PHP, JavaScript, MySQL, HTML, CSS**
  ◦ SelfNote Emulator is a cloud-based note-taking application providing users with secure, real-time synchronization of notes across devices. It employs end-to-end encryption to ensure data privacy and security. The platform features a rich text editor and supports multimedia attachments, enabling comprehensive note creation and organization. Built on a microservices architecture, it ensures scalability and reliability, while its intuitive UI/UX design promotes user engagement and productivity. The app integrates with third-party APIs for enhanced functionality, such as calendar integration and task management, making it a versatile tool for personal and professional use.

TECHNICAL SKILLS

• **Programming Languages:** Python, C, Java, MATLAB, HTML5/CSS3.
• **Development:** React, Node JS, ExpressJS, REST API , Java Script , Scraping, Framer, Figma
• **Database:** MySQL, SQL Server , PostgreSQL , MongoDB, DBeaver.
• **Additional Skills**: Prompt Engineering, Machine Learning, Deep Learning, Agile Methodology, Product architecture, Process Planning, SDLC, Product Management

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Position of Responsibilities
• **St. Broseph Foundation -** Head of Community   Bangalore, India
Responsibilities   July 2023 - Present

• Develop and implement community engagement strategies that align with the organization's goals. Provide leadership and direction to the coordinators, ensuring they are motivated, informed, and working effectively towards common objectives.
• Organize training sessions for coordinators to enhance their skills in leadership, communication, and event management. Ensure they have the necessary tools and knowledge to manage their respective communities effectively.
• Maintain open lines of communication with all coordinators, ensuring they are updated on organizational policies, community standards, and events. Facilitate regular meetings to discuss challenges, share best practices, and gather feedback.
• Oversee the planning and execution of community events, ensuring they meet the organization's standards for quality and engagement. Provide support and resources to coordinators to help them execute successful events.
• Develop and enforce community guidelines and policies to ensure a safe, respectful, and inclusive environment. Address violations promptly and constructively.
• Compile and present regular reports on community activities, challenges, achievements, and metrics to upper management and relevant stakeholders.

• **LLR Hall of Residence, IIT Kharagpur -** Social & Cultural Coordinator   Kharagpur, India
Responsibilities   January 2023 - April 2023

• Successfully directed over 12 teams across various events spanning two and a half months, ensuring cohesive team efforts and successful event outcomes.
• Strategized and executed comprehensive advertising campaigns for events, facilitated team formation, and guided teams towards achieving their objectives with productivity and efficiency.
• Spearheaded a four-member team to secure a Silver Medal in Cartooning at the General Championship 2021-22, IIT Kharagpur, demonstrating exceptional leadership and creative direction.
• Contributed as a key player to the LLR Hall Basketball team, aiding in securing a Bronze Medal in the General Championship 2021-22 at IIT Kharagpur, showcasing teamwork and competitive spirit.

Extra Curricular Activities

• BasketBall   • Beatboxing   • Anime   • Boxing   • DIY Crafting   • Running

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