SUDHEER KUMAR R

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SOFTWARE DEVELOPER

Results-driven and highly motivated Full Stack Developer and Mobile App Developer (Android & iOS) with expertise in AI/ML, Large Language Models (LLMs), AR/VR, Spring Boot Development, and Database Management. Currently in my 2nd year of BCA at Christ (Deemed to be University), I have actively contributed to the tech community as a Placement Representative and former Peer Educator. I gained hands-on experience as a Spring Boot Developer Intern at Cove IoT, where I developed scalable backend solutions. Currently, I am working on LLM models for Indic languages at FreeThought Labs, focusing on NLP advancements. My technical skills extend across web and mobile app development, backend architecture, and AI-driven applications.

Passionate about building efficient, scalable, and innovative solutions, I am eager to collaborate on projects that push the boundaries of technology

KEY COMPETENCIES

- Full Stack Development
- Mobile App Development
- Spring Boot Developer

- Large Learning Models (LLMs)
- Software Developer
- AI and ML

- AR and VR
- Backend Developer
- Java, C++, Python

EDUCATION

Christ Junior College   **May 2021 - April 2023**

- Studied commerce MEBA (Mathematics, Economics, Bussiness, Accountancy)
- Percentage: 84.16%

Christ (Deemed to be university), Central campus   **June 2023 - April 2026**

- Bachelor of Computer Applications
- GPA: 8.65

PROFESSIONAL EXPERIENCE

Kaha Technologies Pvt Ltd (Cove IoT)   **May 2024 - June 2024**

Application Developer Intern

As an Application Developer Intern at Cove IoT, a subsidiary of boat, I was immersed in cutting-edge IoT projects aimed at enhancing industry communication and collaboration. A key highlight of my role was managing the backend server for boAt, a renowned consumer electronics brand, ensuring seamless connectivity and enhancing user experiences. I actively contributed to real-time projects leveraging Java Spring Boot and AngularJS, gaining hands-on experience in backend development, API integration, and frontend framework utilization. My internship experience expanded my technical skills and knowledge, aligning with Cove IoT's mission of pioneering connectivity solutions through innovative IoT technologies.

Child Welfare Committee, Bangalore   **March 2024 - April 2024**

Computer Skills Trainee

During my government-sponsored internship, I instructed children in essential computer skills, including Canva, PowerPoint, Excel, video editing, and photography. I monitored their progress using metrics and personalized lessons to suit individual learning styles. This experience significantly strengthened my teaching abilities and technical skills, showcasing my dedication to promoting digital literacy among young learners. Moreover, it honed my capacity to develop engaging lesson plans and cultivate a supportive educational environment, underscoring my commitment to education and empowerment.

Freethought Labs (OPC) Pvt Ltd   **Jan 2025 - March 2025 (Present)**

IndicLanguages LLM Model

During my internship at Freethought Labs (OPC) Pvt Ltd, I developed an Indic Languages LLM model specializing in Kannada, focusing on natural language understanding, text generation, and translation. I successfully created a translator application that enabled seamless language conversion by integrating the model, enhancing accessibility and usability for Kannada language processing. Through this project, I gained hands-on experience in machine learning, NLP, and model deployment, contributing to the advancement of AI-driven language solutions for Indic languages. Additionally, I worked on optimizing the model's accuracy, fine-tuning datasets, and improving the efficiency of translation outputs. This experience strengthened my expertise in LLM development, data preprocessing, and real-world AI implementation.

PROJECTS

1. Full-Stack Development

I developed BEATLUME, a full-stack song-playing website that provides a smooth and engaging music streaming experience. The platform integrates frontend and backend technologies to ensure seamless performance, user-friendly navigation, and responsive design. It includes features like song search, playlists, and real-time streaming, making it an interactive and efficient web-based music player. This project strengthened my expertise in web development, UI/UX design, and database management.

2. Mobile App Development

I built a parking management system using Kotlin in Android Studio, designed to optimize parking space allocation and streamline vehicle tracking. The app allows users to reserve parking slots, navigate to available spaces, and manage their bookings efficiently. With a focus on real-time data updates and user convenience, the system improves parking efficiency and reduces congestion. This project enhanced my skills in mobile app development, database handling, and UI design for Android applications.

3. AI & LLM-Based Projects

I developed a Kannada-to-English and vice versa translator using an LLM model powered by AI and ML, enabling efficient and accurate language translation. The model was fine-tuned to understand complex sentence structures, improving translation accuracy and contextual relevance. Additionally, during my LLM internship, I created an AI-powered chatbot capable of engaging in intelligent, context-aware conversations. This chatbot utilized machine learning algorithms to process user inputs, learn from interactions, and generate human-like responses, enhancing user experience in real-time applications. These projects deepened my understanding of natural language processing, AI model training, and LLM deployment.

CERTIFICATIONS

- **Data Driven Story Telling and Visualization**
  L&T Edutech

- **Responsive Web Design**
  Infosys