

EDUCATION

Illinois Institute of Technology
Master of Science in Computer Science

Present
Chicago, Illinois

Vellore Institute of Technology
Bachelor of Technology in Computer Science and Technology, (8.78/10.0)

July 2021
Amaravathi, India

WORK EXPERIENCE

Illinois Institute of Technology

September 2024 – Present

Hawk's Nest Graduate Assistant, Part-Time

Chicago, Illinois

- Optimized CRM processes using Salesforce Lightning for application and admission support, resulting in a 60% increase in case resolution rates and 50% faster ticket response times
- Developed an AI chatbot integrated with university data using Retrieval-augmented generation (RAG), leading to a 40% reduction in student wait times and enhancing user satisfaction

Bytecrafts

September 2023 – August 2024

Founder, CEO

Davangere, India

- Lead the design and development of proprietary products, using modern technologies like React Native, MERN stack, and AWS to create scalable and efficient solutions. Focus on addressing industry-specific challenges in sectors such as healthcare, education, and finance, resulting in successful deployment of multiple high-impact applications.
- Deliver customized software solutions for a diverse client base, including startups and established enterprises. Manage projects end-to-end, from requirement gathering and design to development and deployment. Specialize in building cross-platform mobile apps and dynamic web applications, ensuring seamless integration with existing systems and delivering exceptional user experiences.

Kristal.ai

January 2022 – September 2023

Mobile Application Developer, Full-Time

Bangalore, India

- React Native Development: Improved user engagement by 25% through the development and maintenance of Android and iOS applications.
- Agile Practices: Applied agile methodologies, increasing project efficiency by 30%, and reduced application crash rates by 15% through rigorous testing using Jest and React Native Testing Library.
- Quality Assurance: Collaborated with backend developers to integrate RESTful APIs, improved deployment processes using Mixpanel and JIRA, and maintained a 95% client satisfaction rate by resolving critical challenges and meeting tight deadlines.
- Resolved critical client challenges by facilitating productive interactions, exceeding expectations, and maintaining a 95% client satisfaction rate. Led comprehensive project documentation and deliveries through dry runs, consistently meeting tight deadlines

TECHNICAL SKILLS

Languages : Javascript, Python, Java, SQL, dart
Technologies : MERN, React.js, Next.js, React Native, Flutter, Express.js, Node.js
Developer Tools : AWS, Xcode, Android Studio, Tensorflow, Git, JIRA, Visual Studio Code, Vercel, Render, Microsoft clarity.
Database : MySQL, Oracle, MongoDB
Soft Skills : Productive, Efficient, Collaborative, Abstract Thinking, Problem-Solving, Team Leader.

PROJECTS

Refuse | React.js, express.js, Node, AWS EC2, Mongodb, Microsoft clarity.

- Engineered a HIPAA-compliant platform integrating advanced digital imaging, clinic setup, doctor addition, and patient data management, facilitating seamless X-ray capture, direct delivery, and secure sharing among clinics, doctors, and patients.
- Implemented features like referral slip generation, doctor activity reports, and upcoming invoice tracking, enhancing workflow efficiency and reducing manual paperwork, with applications in streamlining dental clinic operations and improving patient care.

Namnews | Next.js, Express.js, Node.js, Mongodb, AWS EC2

- Designed a scalable digital platform using Express.js and Next.js, enabling local newspapers to establish an online presence, manage digital content, and integrate social media channels for wider audience reach. Implemented SEO optimization and analytics dashboards to track reader engagement and website traffic.
- Empowered newspapers to generate passive income through subscription models and ad placements, offering tools for brand building and audience engagement, effectively countering the decline of print readership and supporting sustainable digital growth.

GiveMore – A donation Based Community Marketplace for COVID-19 | Android Studio, Flutter, Firebase, dart

- Designed and developed a cross-platform mobile application using Flutter and Firebase to connect donors with the financially underprivileged, medical workers, NGOs, and hospitals. Implemented real-time data synchronization, user authentication, and inventory management. Integrated an IBM Watson virtual assistant to provide users with instant answers to COVID-related queries and assist distributors with optimized navigation routes.
- Secured a Top 16 finalist position out of 26,478 participants in a national competition, showcasing innovation and community impact. The platform facilitated safe and efficient distribution of essential supplies, promoted temporary employment opportunities, and adhered to social distancing guidelines, contributing significantly to community resilience during the pandemic.

PUBLICATIONS

Automated public transport system using iot | Internet of Things (IoT), GPS Tracking, Data Analytics, Cashless Payment Systems.

- Developed an IoT framework with GPS modules and cloud-based data processing for real-time bus tracking and automated scheduling, enhancing commuter experience and operational efficiency.
- Implemented RFID-based cashless payment and data analytics for efficient route optimization, reducing wait times and fleet disorganization; applicable for smart city initiatives and reducing urban traffic congestion.

Automated Plant Robot | Raspberry Pi, Python, Sensors (LDR, Ultrasonic, Soil Moisture), Solar Energy, Kaggle Dataset.

- Built a mobile platform using Raspberry Pi, LDRs, soil moisture sensors, and ultrasonic sensors for automated watering, sunlight tracking, and obstacle avoidance; powered by solar panels for sustainable operation.
- Ideal for urban gardening and agricultural automation, reducing manual labor and conserving resources, with potential applications in drought-prone regions and smart greenhouses.