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# Education

|  |  |  |  |
| --- | --- | --- | --- |
| **Degree/Certificate** | **Institute/Board** | **CGPA/Percentage** | **Year** |
| B.Tech., CSE(IoT) | ACE engineering college, Hyderabad | 8.2 | 10-2024 |
| Senior Secondary | Ramananda Thirtha Engineering College | 8.7 | 03-2021 |
| Secondary | Kakatiya English Medium high school | 8.3 | 03-2018 |
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**Experience**

**Salesforce Developer Virtual Internship [Self-Paced]** *Apr-Jun 2022*

* + Completed an 8-week internship focused on Salesforce development, working on Trailhead modules to

strengthen core Salesforce skills.

* + Earned two Salesforce Superbadges by demonstrating proficiency in advanced Salesforce concepts like

process automation and data modeling.

•  Gained hands-on experience in Salesforce platform tools, including Flow Builder, Apex, and Lightning

components.

**IoT Intern [Charge Kart Private Limited]** *Apr-Jun 2023*

* + Built web-based interfaces for monitoring and controlling IoT-enabled electric cycles and charging robots, ensuring seamless user interaction.
  + Developed RESTful APIs to enable efficient communication between IoT devices and backend systems.
  + Designed and implemented responsive dashboards using HTML, CSS, and JavaScript to display real-time analytics.
  + Integrated databases to store and retrieve IoT data, ensuring secure and scalable solutions.

# Projects

**Enhancing Indoor Air Quality System**

* **Tools and Technologies** : IoT Sensors, Arduino/ESP32, Cloud Platforms, APIs, Mobile/Web Application, HTML, CSS, JavaScript
* **Description:** Developed an advanced air purification system by integrating IoT technology with conventional air purifiers to enhance indoor air quality.
* Designed and implemented real- time monitoring and control of air quality parameters using IoT-enabled sensors.
* Developed a cloud based dashboard for remote tracking and control, providing actionable insights into air quality trends.
* Ensured automation and optimization of air purification processes to maintain healthy indoor environments
* **Outcome:** Delivered an innovative, user-friendly system that improved air quality management through advanced IoT integration and automation

**Paytm Clone**

* ***Tools****:* *ReactJS, Node.js, Express, MongoDB, JWT, HTML, CSS, JavaScript* 
  + Designed and developed a full-stack application replicating Paytm, incorporating user authentication, payment gateway integration, and transaction history management.
  + Integrated JWT-based authentication to enhance data security and ensure secure login for users.
  + Implemented a responsive UI/UX with HTML, CSS, and JavaScript to improve user interaction across devices.
  + Collaborated with a team of developers to integrate payment gateway APIs, enabling real-time transaction processing.

**AI Video Transcription Tool**

***Tools****: Python, TensorFlow, Assembly API, WebRTC, HTML, CSS, JavaScript, Docker*

* + Designed and developed an AI-powered tool for real-time video transcription and live captioning, with customizable font styles, sizes, and multilingual support.
  + Integrated the Assembly API for advanced speech recognition, optimizing transcription accuracy and enabling real-time processing of audio and video content.
  + Enabled video export with captions for accessibility and content reuse, utilizing WebRTC for smooth video streaming and Docker for containerization.
  + Collaborated with a team to ensure scalability, performance, and cross-platform compatibility of the tool.

**Temperature Regulated AC Control**

* **Tools** and Technologies : ESP32 Microcontroller, IR Sensors, IoT, Real-time Data Processing, Cloud Integration, HTML, CSS, JavaScript
* Description : Developed a temperature-regulated AC control system utilizing ESP32 and IR technology to create an adaptive and responsive air conditioning solution.
* Utilized the ESP32 microcontroller to process real-time inputs from sensors, ensuring precise temperature regulation.
* Enabled remote controlling and control of AC settings via a user friendly interface integrated with web and mobile platforms
* Overcane static limitations of traditional AC systems by implementing dynamic, preference-based adjustments.
* Outcome : Delivered a cost-effective, smart AC control system that improved energy efficiency and user comfort by adapting to real-time conditions.

**Full-Stack Food Industry Web Application**

***Tools****: Java Spring Boot, PostgreSQL, Angular, AWS S3, REST APIs, Docke*

* + Developed a scalable web application for wholesale food ordering, featuring user login, product catalogs, and predictive order suggestions.
  + Integrated the Assembly API for advanced speech recognition, optimizing transcription accuracy and enabling real-time processing of audio and video content.
  + Integrated advanced tools like Java Spring Boot for backend services, PostgreSQL for secure database management, and Angular for a dynamic, responsive frontend.
  + Implemented automated order reminders, live inventory tracking, and detailed analytics for enhanced user experience and operational efficiency.
  + Deployed the application on AWS S3 for secure and reliable hosting, using Docker for containerization and ensuring smooth deployment across environments.

**Advanced Portfolio Website**

***Tools****:* *ReactJS, Tailwind CSS, Three.js, Node.js, Firebase, SEO*

* + Created a personal portfolio website to showcase skills, projects, and achievements with a modern, interactive UI design.
  + Utilized ReactJS for dynamic frontend development, Tailwind CSS for styling, and Three.js for 3D animations to enhance user experience.
  + Integrated Node.js with Firebase for backend services and real-time analytics to track visitor engagement and interactions.
* Optimized the website for responsiveness, SEO, and cross-device compatibility to ensure a smooth user experience across all platforms.

# Certifications

* **Full Stack Web Development – freeCodeCamp**
* **0 to 100x web development  - 100xdevs, Harkirat singh**
* **The Complete Web Developer Bootcamp – Udemy, colt steele**

# Achievements

* • Secured a top 5 position in a hackathon conducted by the college in collaboration with Microsoft, competing against 50+ teams.
* Participated in 12+ hackathons during college, consistently achieving high rankings and demonstrating strong problem-solving and technical skills.
* Served as a mentor for junior students in hackathons, providing guidance on coding, teamwork, and project management.

# Positions of Responsibility

**Team Leader** [College Hackathon Participation] *2021-2023*

* *Led a team for four consecutive years in college hackathons, guiding project development, coordination, and ensuring smooth execution under tight deadlines.*
* *Managed the team’s participation in multiple hackathons, focusing on technical problem-solving, ideation, and collaboration to achieve high rankings.*
* *Oversaw the distribution of tasks, motivated team members, and ensured consistent communication for effective collaboration.*

**President** [Malai Club] *2021-2023*

*◦ Serve as the president of Malai Club, leading and managing a community of 170 members, fostering a collaborative*

*and inclusive environment.*

*◦ Coordinate events, workshops, and club activities, ensuring smooth execution and member engagement.*

*◦ Handle club logistics, delegate tasks, and represent the club in official forums to maintain a positive image and*

*growth trajectory.*

***Technical Skills***

*• Programming Languages: JavaScript, Python, C, C++, Go, MySQL, PostgreSQL  
• Web Development: ReactJS, Node.js, Express, HTML5, CSS3, Bootstrap, Angular  
• Backend & Database Technologies: Java Spring Boot, MongoDB, PostgreSQL, RESTful APIs  
• Version Control & Collaboration: Git, GitHub, Docker, Postman  
• Tools & Frameworks: VS Code, Webpack, Babel, Nginx, Jupyter Notebook  
• Deployment & Cloud: AWS S3, Firebase, Vercel, Heroku, Docker*