

# Pagidimarri Poojitha

Bachelor of Technology

Computer Science and Engineering

[6637a9341/ha/](#)

ACE engineering college, Hyderabad

+91-8125883729

[pagidimarripoojitha97@gmail.com](mailto:pagidimarripoojitha97@gmail.com)

[linkedin.com/in/poojitha-pagidimarri-](https://www.linkedin.com/in/poojitha-pagidimarri-)

[github.com/pagidimarri-poojitha-chary/](https://github.com/pagidimarri-poojitha-chary/)

## 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

## 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
- Overcame 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, Docker*

- 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***

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- *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*