

# Reuben Reny

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## EDUCATION

- **Karunya Institute of Technology and Sciences**  
*Bachelor of Technology - Computer Science and Engineering | CGPA: 8.1 (Current)*

Oct 2021 - Expected 2025  
Tamil Nadu, India

## EXPERIENCE

- **Software Engineer | Intern**  
*Utopia Tech (IoT Software Development)*

Mumbai, India  
Oct 2024 – Present

- **AI-Powered ATM Monitoring:** Developing a real-time safety system for ATMs by integrating machine learning models with IoT camera feeds to detect unsafe behaviors.
  - **System Architecture:** Collaborating with cross-functional teams (Product, AI, and Engineering) to design scalable, test-deployable solutions.
- **Software Engineer | Summer Intern**  
*Utopia Tech (IoT Software Development)*

Mumbai, India  
May 2024 – Jul 2024

- **Mobile App Rebuild:** Rebuilt the legacy mobile application using React Native for both Android and iOS, significantly enhancing performance and accessibility.
  - **UI/UX and API Integration:** Improved modularity and UI consistency; integrated backend APIs for real-time IoT data visualization.
- **Automation Engineer | Intern**  
*Sustainability101 (Corporate Sustainability Training)*

Remote  
Jun 2024 – Oct 2024

- **SEO and Visibility:** Improved digital visibility by optimizing SEO—including metadata, structured content, and performance enhancements—leading to increased organic traffic.
  - **WhatsApp Automation:** Built automated scripts using WhatsApp Web APIs to invite users to events and manage group additions at scale, reducing manual effort and increasing engagement.
- **Software Engineer | Research Intern**  
*IIT Madras Research Park (Research Park)*

Chennai, India  
Nov 2023 – Jun 2024

- **Indoor Navigation:** Collaborated with a cross-functional research team to localize and navigate an autonomous wheelchair for differently-abled users.
  - **Vision-Based Pathfinding:** Applied OpenCV techniques for real-time location tracking and implemented A\* algorithm for autonomous route planning.

## PROJECTS

- **Resquare:** Developed an interactive opportunity-tracking platform for students, with 100+ opportunities (hackathons, open-source programs, research internships, scholarship programs, etc.), in the form of a full-stack application with a recommender system. it is also equipped with in-house WhatsApp bot for authentication and reminders.  
**Tech Stack:** React Js, Tailwind CSS, Node.js, Mongo DB, Express JS | **Website:** Resquare
- **CyberBuddy:** Programmed an intelligent CLI to monitor server logs and detect potential cybersecurity threats using an offline LLM (Lilly v2). Also integrated generative AI assistance to guide new users without requiring internet access.  
**Tech Stack:** Python, Ollama | **GitHub:** CyberBuddy
- **InspectorX:** Built a cross-platform mobile application that gamifies the safety inspection process. Incentivized efficiency by enabling inspectors to complete tasks within the app, earn points for following procedures correctly, and compete on leaderboards.  
**Tech Stack:** Flutter, Firebase, Material UI | **GitHub:** InspectorX

## ACHIEVEMENTS

- Team secured 2nd Position in Thales GenTech Hackathon 2025 (out of 100+ teams) for CyberBuddy, winning a cash prize of Rs. 75000
- Team secured 1st Position in Shlokathon 2024 for InspectorX, winning a cash prize of Rs. 25000
- Featured in Times of India 2023 for Autonomous Wheelchair Vehicle research project at IIT Madras (*Article*)
- Semifinalist in Code Gladiators 2022 - a coding competition held by TechGig

## LEADERSHIP EXPERIENCE

- **Single Point of Contact - Build Club:** Spearheaded the inter-college collaboration between Karunya University & IIT Madras to establish the first IoT-centric association, enabling 120+ students to connect theory with hands-on experience.
- **Lead Coordinator - KarunyaHacks:** Led a team of students across cross-functional domains to organize 5+ hackathons, 15+ training sessions, and facilitated upskilling through consistent peer-to-peer study circles.

## SKILLS SUMMARY

- **Full-Stack:**

AngularJS, React, Node.js, TypeScript, MongoDB, Firebase, Docker, Express, Google Cloud, AWS, Java
- **Data Analytics:**

Python, SQL, Excel, Google Analytics, Mixpanel, Tableau, Clarity, Databricks, Looker Studio, Apps Script
- **Others:**

LangChain, Hugging Face, n8n, node-red, Git, GitHub, Linux, Jira, Confluence, Linode, Postman, Netcat
- **Soft Skills:**

Problem solving, Technical documentation, Leadership, Communication, Prioritization, Teamwork