

# Santhosh Andavar

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## Education

**Cleveland State University** | Bachelor's, Computer Science

Aug 2021 - May 2025

## Work Experience

**Cleveland State University** | Technical Support Assistant

Aug 2023 - Present

- Improved laptop functionality for students by re-imaging and maintaining devices, enhancing performance by 40%.
- Delivered technical assistance to 100+ students weekly, achieving a 95% resolution rate.
- Optimized IT inventory management, reducing check-in/ out processing time by 30% through system automation.
- Provided classroom support to faculty members by resolving technical issues during lectures and ensuring seamless equipment functionality.
- Escalated unresolved technical problems by generating detailed support tickets through the ServiceNow platform, ensuring timely resolution by appropriate teams
- Collaborated with IT teams, reducing response time for technical issues by 20%.

## Projects

**Ride Share Web Application (University Project)**

Aug 2024

- Developed a ride-sharing platform using the MERN stack (MongoDB, Express.js, React.js, Node.js) with real-time GPS tracking.
- Implemented secure payment processing and a dynamic pricing system based on demand and distance.
- Designed a rating and review system to enhance trust and service quality for both riders and drivers.
- Optimized performance and scalability, ensuring a smooth user experience across devices.

**Interview Ace**

Jan 2025

- Developed an AI-driven visa interview prep app using React Native, Node.js, and MongoDB, providing a seamless user experience.
- Integrated OpenAI API to power AI-based Q&A, offering personalized interview guidance.
- Implemented mock interview features to help users practice and improve their responses.
- Enabled users to share visa interview experiences, creating a community-driven knowledge base.

**Smart Weather App**

Jan 2024

- Built a Smart Weather App using React, OpenWeather API, and Tailwind CSS for real-time weather updates.
- Implemented dynamic UI themes that change based on weather conditions and time of day.
- Integrated clothing suggestions feature to help users dress appropriately for the weather.
- Optimized performance and responsiveness, ensuring a seamless experience across devices.

**AI-powered Recipe Website**

Jul 2024

- Developed an AI-powered recipe website using HTML, CSS, JavaScript, Firebase, and OpenAI API for seamless user interaction.
- Integrated AI-generated recipe suggestions, enhancing user experience with personalized recommendations.
- Enabled users to search and share recipes, creating a community-driven culinary platform.
- Implemented Firebase for real-time data storage, ensuring fast and reliable access to recipes

**Cybersecurity Vulnerability Scanner**

Jun 2024

- Developed a cybersecurity vulnerability scanner using Python and Flask to detect security flaws in web applications.
- Integrated OWASP ZAP for automated scanning, threat detection, and security assessment.
- Implemented detailed reporting features, providing insights into vulnerabilities and remediation steps.
- Enhanced web application security by identifying and mitigating potential threats.

## Skills

- **Programming Languages:** Java, Python, JavaScript, C++
- **Software Development:** System Design, API Development, Microservices
- **Web Technologies:** HTML, CSS, JavaScript, React, Ruby, Node.js
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Cloud & DevOps:** AWS, Docker, Kubernetes, CI/CD, Git/GitHub
- **AI/ML & Data Science:** TensorFlow, NumPy, Pandas, Scikit-learn
- **Cybersecurity & Blockchain:** Ethical Hacking Basics, Solidity, Cryptography
- **Tools & Platforms:** VS Code, IntelliJ, Postman, Linux, Cursor, Git, Pycharm, Jupyter Notebook
- **Core Technical Skills:** Data Structure, Algorithms, Software Development

## Certifications

- **Full-Stack Development:** IBM
- **Software Development:** Amazon
- **Web3 and Blockchain Fundamentals:** Insead
- **Cloud Computing :** IBM
- **Python Programming:** Coursera(Upenn)