



## BRIEF SUMMARY

I am a passionate innovator constantly exploring new technologies and creating impactful projects. From IoT systems and AI solutions to environmental and healthcare advancements, I focus on building practical applications like water quality testing kits, borewell rescue systems, and sustainable energy solutions like Aero Leaf Tree. My achievements, including selection for SIH 2024 Finale, hackathon wins, and internships, reflect my dedication to learning and problem-solving. I'm also preparing for placements by strengthening my knowledge in data structures, algorithms, and cloud computing, driven by a vision to develop solutions that make a real-world difference.

## KEY EXPERTISE

Internet of Things   Embedded Systems   Data Science   Data Analytics   Artificial Neural Networks   Machine Learning  
Google Cloud   Electronics

## EDUCATION

<b>Sri Krishna College of Technology</b> B.E. - Electrical & Electronics Engineering   CGPA: 7.01 / 10	2022 - 2026
<b>SMBM MATRIC R SEC SCHOOL, Dindigul</b> 12 <sup>th</sup>   TNBHSE   Percentage: 82.83 / 100	2022
<b>Parvathy's Anugrahaa international school, Dindigul</b> 10 <sup>th</sup>   CBSE   Percentage: 76.60 / 100	2020

## INTERNSHIPS

<b>Snapchat</b>   Marketing / Lead Management / Data Solutions Student Opinion Leader As a Student Opinion Leader Intern at Snapchat, I engaged with the student community to gather feedback and insights on product features and user experience.	02 Oct, 2023 - 03 Oct, 2024
<b>Pricol Engineering Industries Private Limited</b>   Manufacturing / Core <b>Key Skills:</b> Time Study   Manufacturing   Design for Manufacturing   Product Management As a Manufacturing Engineering Intern at Pricol Company, I assisted in optimizing manufacturing processes to enhance efficiency and reduce costs. I conducted time and motion studies to identify areas for improvement, collaborated with cross functional teams to implement lean manufacturing principles, and supported the maintenance and troubleshooting of manufacturing equipment.	24 Jun, 2024 - 24 Jul, 2024
<b>Orgware Technologies</b>   IT / Computers - Hardware Robotics and Drone Technology As a Robotics and Drone Technology Intern at Orgware Technologies, I contributed to the development and testing of autonomous systems for drones and robotic platforms. I assisted in programming and calibrating drones for various applications, collaborated with the engineering team	14 Mar, 2024 - 18 Jun, 2024
<b>GeakMinds</b>   IT / Computers - Software Data Science As a Data Science Intern at GeeksMind Company, I worked on data preprocessing, analysis, and visualization to extract actionable insights. I developed and implemented machine learning models to solve business problems	05 Feb, 2024 - 03 May, 2024

## PROJECTS

### AI-powered educational companion

05 Jan, 2025 - 10 Feb, 2025

Team Size: 2

Key Skills: AIML Data Engineering Computer Vision

The project is an AI-powered educational companion named EDDIE (Educational Companion). It uses FastAPI to create a web API that interacts with users, processes their questions, and generates tailored responses using OpenAI's GPT-4 model. The responses are customized based on user preferences, such as humour level and academic depth. Additionally, the system analyzes the sentiment of the user's input using a Hugging Face sentiment analysis model and leverages SpaCy for advanced NLP tasks

### 3 in 1 water testing kit

06 Nov, 2024 - 19 Dec, 2024

Team Size: 6

Key Skills: IoTs,programming,electronics

Ensure the safety and quality of your water with our 3-in-1 Water Testing Kit, designed for accurate and reliable analysis of key water parameters. This versatile kit is ideal for households, labs, and on-the-go testing to monitor water purity and safety.

## PUBLICATIONS / RESEARCH / WHITE PAPERS

### Emergency Aid Drone

Design Patent | Emergency Aid Drone | Mentor: Dr.Ganesh | No. of Authors: 5

Key Skills: Graphic Design Design Research Electronics

## ACHIEVEMENTS

- Winner in eBiz Ignite 2023
- Winner in Strategize (2023)
- Winner in InnovatED
- Finalist in EDII Hackathon Bootcamp
- Advanced to the Startup Stage and Felicitation under the ThingQbator Entrepreneurship Track, supported by NASSCOM Foundation.
- Smart India Hackathon 2024 (Finalist)

## ASSESSMENTS / CERTIFICATIONS

### Perform Foundational Infrastructure Tasks in Google Cloud

Key Skills: Cloud-Computing Cloud Security

### Professional Course - IBM IT Support

Key Skills: it support Computer Vision Computer Skills IT Strategy

### Git – GitHub Fundamentals

Key Skills: GIT Github

### Google Cloud Data Analytics Certificate

Key Skills: Data Analytics Big Data Analytics

### Fundamental of Generative ai

Key Skills: Machine Learning AI Artificial Neural Networks

### Foundations of User Experience (UX) Design

Key Skills: UI Development User Experience UX Design

## CO-CURRICULAR ACTIVITIES

- 3D designer
- Full Stack Designer

- LLM and Rag AI model Development
- Google Developer Student Club (Design Lead) 2023

## PERSONAL INTERESTS / HOBBIES

- listening Music
- Reading Books

## PERSONAL DETAILS

**Gender:** Male

**Marital Status:** Single

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