

CHERALA SAI KAMAL

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in Collaboration

🔧 Problem – Solver

👨‍💻 Data – Engineer

Profile

Enthusiastic and motivated BTech student majoring in Electrical Engineering with a minor in Computer Science Engineering, specializing in Artificial Intelligence and Machine Learning. I am passionate about solving complex software problems and building scalable applications. I have a strong grasp of data structures and algorithms, solid SQL skills, and exposure to big data and NoSQL technologies. I am eager to contribute to Cognizant's innovative technology solutions by assisting in application development, debugging, and performance optimization. I thrive in collaborative environments, enjoy root cause analysis, and am committed to continuous learning. My goal is to contribute effectively to engineering support and client delivery teams while gaining deeper experience in enterprise-grade software systems.

Education

VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, India

2022 – Present

| B. Tech **Major** in EIE & **Minor** in AI & ML | Currently pursuing in 6th Semester

C.GPA – 7.15/10

Class 12 – State Board of Intermediate Education | 2021 | 86.6 %

Class 10 – Excellent High School | 2019 | 9.3 GPA

Skills

Languages & Technologies: Python, HTML, CSS, MY SQL, Golang (Basics), Node.js, Big Data Concepts

Tools & Platforms: Git & GitHub, VS code, PyCharm, Vercel, Linux OS, Postman, MongoDB

C S Fundamentals: Advanced Data Structures & Algorithms, Problem Solving, Oops Concept, Computer Networks, OS

Free Lance & Projects

PORTFOLIO WEBSITE – *SHOW CASE MY SKILLS*

Tech Stack: *Bootstrap, Tailwind CSS, GitHub Pages*

01/2025 - Present

- Enhanced my existing portfolio website to showcase problem-solving skills, performance optimization, and a user-focused design aligned with industry expectations

AI RESUME RANKER – *JOB FIT PREDICTION TOOL*

Tech Stack: *Python, NLP, Pandas*

09/2024 - 12/2024

- Designed and developed a resume analysis system to process large sets of candidate profiles, focusing on relevance scoring and automated filtering to determine candidate -job fit based on skill -relevance and experience

11/2025 - Present

HR REWARDS PLATFORM – *FULL STACK WEB DEVELOPMENT*

Tech Stack: *Node.js, Express, MongoDB, JWT, Google SSO, React (Vite)*

- Built from scratch a data-driven reward management platform, delivering production-quality APIs for secure user authentication and transaction handling. Utilized MongoDB to manage and retrieve large-scale transactional data.

Internships

Frontend & Backend Intern | Adonmo | Dealzy.app

02/2024 - present

Recognized as the Best Intern of the Year

- Ensured adherence to **privacy and information security best practices**, aligning with corporate policy and secure handling of user data.
- **Collaborated with a cross-functional team** to research and implement **cutting-edge technologies** such as **JWT authentication**, **OAuth with Google SSO**, and **modular API design**, contributing to the development of secure and scalable modules within the platform

Virtual Internship - Tata Consultancy Services (TCS)

11/2024-12/2024

Certificate of Excellence - Data Visualization

- Hands-on experience in analyzing large datasets and building interactive dashboards using **Tableau** and **Power BI**. Translated complex data into actionable insights and collaborated with cross-functional teams to develop scalable **business intelligence solutions**, enhancing decision-making and product strategies.

Overview of Thermal Power Plant & Deaerator Level Control | BTPS | TSGENCO

15/2024 – 31/2024

- Gained hands-on experience working with **large-scale industrial systems** and analyzing operational data to identify efficiency gaps. Collaborated with engineers to **troubleshoot issues** and optimize **data-driven** processes supporting system performance.

Certifications & Achievement's

Nptel Certification -Data Base Management Systems (DBMS)

02/2025-04/2025

- Developed **SQL querying skills** above the basic level, including **joins**, **subqueries**, and **query optimization**
- Strong exposure to **transactional systems**, **data consistency**, and **relational database design**

Certificate of Appreciation - Peer Learning

11/2024- present

- Awarded by **VNRVJIET Administration** for mentoring junior students — demonstrated **strong problem-solving skills**, **technical communication**, and a **data-driven mindset**; contributed to a **70% academic improvement** through structured peer learning.

Co-Curricular & Club Involvement

- **Active Member, Dramatix Club:** Collaborated on cultural tech events, enhancing **team collaboration**, **creative thinking**, and **public communication**—skills crucial in agile development environment
- **Member, NSS (National Social Service) Club:** Led and participated in community initiatives, developing **leadership**, **project planning**, and **interpersonal skills** applicable to cross-functional engineering teams
- **ISOI (Instrument Society of India) Member:** Coordinated technical workshops and peer-learning sessions, boosting **organizational skills**, **technical mentorship**, and a mindset for **continuous learning**.

Soft Skills

Problem Solving, Communication, **Team Collaboration**, Adaptability, Time Management, Critical Thinking, Attention to Detail, Accountability, **Enthusiastic & Willingness to learn**, Accountability