

Sri Hasnika Venigalla

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Coding Profiles:

HackerRank(view profile): 5★ in Problem-Solving
LeetCode(view profile): Highest Rating – 1748
CodeChef(view profile): Highest Rating – 1434

LinkedIn Profile (view profile)

Portfolio:Click here

Objective

Enthusiastic Computer Science student with a strong foundation in software engineering, data structures, and algorithms. Skilled in full-stack development and app development, with expertise in React.js, React Native, Flutter, Node.js, Next.js, and MongoDB. Passionate about developing scalable, AI-powered applications that drive efficiency and innovation. Together, let's build tomorrow's tech, today!

Skills

Programming Languages : Java, C, C++ , Python

CS Fundamentals: Data Structures and Algorithms, OOP, Operating Systems, DBMS, Computer Organization

Software Development: System Design, REST APIs, Scalable Web Applications, Distributed Systems

Web Technologies : HTML, CSS, JavaScript, TypeScript, React.js, Express.js, Node.js, Next.js, Web Sockets

Mobile Development: React Native, Flutter

State Management: Zustand, Redux

Machine Learning: TensorFlow, Scikit-learn, Keras, Pandas, NumPy, Matplotlib, Seaborn

Databases: Oracle SQL, SQLPLUS, MongoDB

Cloud Platforms: Google Cloud

Operating Systems: Unix/Linux

Tools / IDEs: Git and GitHub, Postman, Docker, Firebase, Vercel, Netlify, Visual Studio Code, Eclipse, Prisma, Render

Design: Figma, Canva

Data Visualization: Power BI, Google Sheets, R Studio

Soft Skills: Problem-solving, Time Management, Teamwork, Communication, Adaptability, Growth Mindset

Education

Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology (2023-2027)

Bachelor of Technology in Computer Science: Graduating in 2027, 9.50 CGPA

Sri Chaitanya Junior college (2021-2023)

10+2: 97.6%

Kakatiya Olympiad School(2021)

GRADE X: 10 GPA

Certifications

Certification in Java. [View Certificate]

Certification in MERN Technology.

Certification in Machine Learning. [View Certificate]

Explore my Google Cloud Skills Boost badges. [View]

Certification in Cloud Computing. [View Certificate]

Certification in C++ [View Certificate]

Certification in CyberSuraksha (Cybersecurity) Course. [View Certificate]

Certificate of Participation in Flutter Workshop. [View Certificate]

Certification of Appreciation in Git and Github. [View Certificate]

Certification in Career Essentials in Sustainable Tech by Microsoft and LinkedIn [View Certificate]

Certification in Build Your Generative AI Productivity Skills with Microsoft and LinkedIn: [View Certificate]

Experience

- **Software Engineering Intern**, GC Coupons
Contributed to the design and development of backend systems to improve application performance. Worked in a collaborative team environment following Agile methodologies and best software engineering practices.
- **Web Development Intern**, LYNK
Designed and developed responsive user interfaces and integrated them with backend services to deliver seamless user experiences. Applied data structures and algorithms to enhance performance and ensure efficient state management across the application.
- **Web Development Volunteer** and active member of **Google Developers Group on campus** (GDGC) at VNR VJIEt. Built the Org Chart, Events Page, Blog Page and, Hackathon Page for the **GDGC** college website. [[View Application](#)]

Projects

Tutor-Nest [[View Code](#)]

- Currently working on Tutor-Nest, a **MERN stack** web application that connects students and tutors using **AI-driven** recommendations and secure payment models. Integrated features like **real-time chat**, personalized tutor suggestions, and premium subscription plans for enhanced user experience.

Hustle Hub – University-Based Freelancing Platform [[View Code](#)]

- Developed using MongoDB, Express.js, Node.js, and React.js to support secure, milestone-based payments and team collaboration. Integrated blockchain-based skill verification and AI-driven job matching to ensure scalability and high system performance. Emphasized coding standards, maintainability, and security compliance.

Care Connect [[Video Demo](#)] [[View Code](#)]

- Established a **Next.js**, **Node.js (Express)**, and **MongoDB**-based health platform leveraging **Google AutoML** and **Firestore** to bridge the doctor-patient gap in underserved areas. Implemented **AI-driven** health insights, virtual consultations via Google Meet, offline functionality, and **real-time alerts** to enhance accessibility and efficiency in healthcare.

Chat Application [[View Application](#)]

- Developed a real-time messaging platform using the MERN stack, Socket.io, TailwindCSS, and Cloudinary, optimized for seamless communication.

Trip Tact [[View Code](#)]

- Built a full-stack Travel Itinerary Management System with **Node.js**, **React.js**, **MySQL**, and **Express.js**, featuring **JWT authentication**, **RESTful APIs**, trip planning, real-time budget tracking, collaborative management, and weather-based activity suggestions. Integrated third-party APIs for weather updates and currency exchange.

AllocOS – Interactive Learning Platform [[View Code](#)]

- Developed using Next.js, TypeScript, Tailwind CSS, and D3.js for real-time Operating Systems concept simulations and visualizations. Implemented CPU scheduling, process lifecycle, resource allocation, and deadlock detection with dynamic performance metrics. Integrated gamified learning elements and algorithm comparison tools to enhance user engagement and educational value.

Digital Literacy Initiative in Rural Areas [[View Code](#)]

- Bridged the digital divide by deploying interactive educational tools and resources in rural communities. Enhanced accessibility with dynamic animations, interactive forms, and a fully responsive layout. Built using **Next.js** and **Tailwind CSS** for seamless performance.

Achievements and Hackathons

- Secured **1st place** at **Krithoathon 3.0**, a 24-hour national hackathon at VNRVJIEt, with Team Sudo for building a real-time IP tracking analytics system. [[View](#)]
- **Hacker Rank**: Achieved 5-star rating in Problem Solving on HackerRank.
- Participated in Google Gen AI Study Jam [[View](#)]

Declaration

I hereby declare that the above-mentioned details are true to the best of my knowledge and belief.