

# Meda Venkata Vasavi Swathi

9886725430 | vasaviswathi78@gmail.com | linkedin.com/in/vasavi-swathi | github.com/swagitbit

## EDUCATION

**VNR Vignana Jyothi Institute of Engineering and Technology**

Hyderabad, India

*B.Tech in Computer Science and Business Systems — CGPA : 8.51 / 10*

2021 - 2025

## TECHNICAL SKILLS

**Databases:** Mongo DB, MySQL, Google Cloud, SQL Server

**Languages:** Java, Python, C/C++, R, C#

**Frameworks:** HTML, CSS, Bootstrap, JavaScript, React JS, Express JS, Node JS, Angular, Next JS, ASP.NET Core

**Developer Tools:** Git, Google Cloud Platform, VS Code, Visual Studio, Github, Anaconda, Jupyter

**Others:** Data Structures and Algorithms, Computer Networking, Linux, Machine Learning, Artificial Intelligence, Operating systems, Database Management System

## EXPERIENCE

**Intern – Crosspapers**

Feb 2024 – Jun 2024

*VNR Vignana Jyothi Institute of Engineering and Technology*

*Hyderabad, India*

- Culminated blockchain initiatives that increased transaction throughput by 20% using API enhancements and advanced hashing techniques.
- Using Ethereum, ASP.NET Core, and C#, the team constructed solutions that increased system reliability by 65%.

**Intern – Centella Scientific**

May 2023 – June 2023

*VNR Vignana Jyothi Institute of Engineering and Technology*

*Hyderabad, India*

- Accompanied a team to put together a comprehensive review paper on the intersection of machine learning and Cyber Security.
- Reviewed and synthesized insights from 38 academic papers sourced from Ivy League colleges and research institutions.

## PROJECTS

**Travel and Tourism Review Platform** | *Angular, ASP.NET Core, SQL Server*

Nov 2024 – Present

- Constructing a web app for users to explore, rate, review and book travel packages, admins to view bookings and reviews and analytics and the service providers to add listings such as hotels, events, restaurant. Currently focused on secured payment gateway for the users to perform secured transactions.

**CommuniAI-ed** | *React JS, Node JS, Express JS, Python, Machine Learning* May 2024 – June 2024

- Lead to the development of the web app for improving user's communication skills using real-time speech to text generation and grammar correction. Focused on challenges like web performance and scalability.

**Expense Tracker** | *HTML, CSS, Mongo DB, Express JS, Node JS, React JS*

Nov 2023 – Dec 2023

- Developed the MERN Expense Tracker App, which successfully tracked and managed expenses for users along with analysis and visualisation, resulting in a 20% increase in financial awareness.

**Intrusion Detection System** | *Machine Learning, Data Analytics, Python*

Sep 2023 – Oct 2023

- Implemented a Machine Learning project utilizing the KDD99 Cup dataset to evaluate various algorithms, identifying the Decision Tree algorithm as the top performer with a 0.10471 testing time and a 99.052% classification accuracy.

**Simulation of UDP using NS3** | *NS3, NAM, Ubuntu, Computer Networks*

Jul 2022- Sep 2022

- Executed a detailed simulation of User Datagram Protocol (UDP) in NS3 on Ubuntu, achieving 95% accuracy in packet-level performance analysis.
- Analyzed intricate UDP dynamics, revealing critical insights that enhance understanding of network performance and contribute to optimizing data transmission strategies.

**Food Ordering Software** | *C++*

Mar 2022 – May 2022

- Spearheaded an online food ordering software for VNR canteens using OOPS concepts, attained a 30% increase in order efficiency and introduced automated bill generation for improved user experience.

## ACHIEVEMENTS & CERTIFICATIONS

---

- Summer Internship program at Centella Scientific– RISE.
- NPTEL Certification in Programming in Java.
- Certified in Google Cloud Computing.
- Attended Smart Interviews Course at VNRVJIET, Hyderabad.
- Engaged in 24hr Megathon, an annual Hackathon at IIIT, Hyderabad.
- Organized Design-a-thon, a nationwide hackathon by CSBS Dept. with over 300 participants.
- Achieved finalist position in the HULT prize.
- Collaborated with team members to compete in Robotics events hosted by CBIT, Hyderabad.
- Awarded as finalist in My Big Idea Hackathon at VNRVJIET, Hyderabad over 300 students.
- Student Co-ordinator of Robotics Club at VNRVJIET, Hyderabad.