

VANGALA VINAY KUMAR

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Objective:

Motivated with a strong interest in applying my technical skills to real-world challenges. I enjoy learning by doing and am excited to be part of a team where I can contribute meaningfully, continue growing, and gain hands-on experience by working on practical solutions and innovative projects.

Academic Qualifications:

Degree	Institution	Board/ Affiliated	Year of Passing	Percentage/CGPA
Bachelor of Technology	Sreenidhi Institute of Science and Technology	JNTUH	2028	-
Diploma	Government Institute of Electronics	SBTET	2025	9.6
High School	St. Patrick's High School	ICSE	2022	91%

Skills:

- Programming Languages: C, C++, Java, C#, Python
- Web Development: HTML, CSS, JavaScript, PHP, XML
- Backend & APIs: Node.js, Express.js, Flask, REST APIs, WebSocket
- Query Languages: SQL, NoSQL (MongoDB), PL/SQL
- DevOps & Cloud: Cloud Computing, AWS (IAM, EC2, S3), CI/CD, Linux
- Core Concepts: DSA, Operating Systems, Computer Architecture, Distributed DBMS, Cyber and Network Security, Big Data and Hadoop
- Other Tools: Git/GitHub, Docker (basics), JSON, Postman

Work Experience and Training:

- **Community and Open-Source Contributor - Swecha Telangana [August 2025 – Present]**
 - Collaborating on Linux and open-source projects focused on real-world use cases.
 - Practicing software lifecycle management, CI/CD pipelines, and version control with Git.
 - Contributing to modular backend service structures and secure API designs.
- **AI and DevOps Tech Lead - VISWAM.ai [May 2025 – July 2025]**
 - Led backend integration for AI models using Python and Flask-based APIs.
 - Trained and fine-tuned transformer models (BERT, GPT) for Indic languages.
 - Coordinated with cross-functional teams to deploy models on cloud infrastructure.
 - Mentored junior developers in model deployment and service orchestration.
- **Trainee - SV Global Services Pvt. Ltd. [May 2024 – November 2024]**
 - Hands-on training in DevOps pipelines and cybersecurity practices.
 - Gained practical exposure to AWS-based infrastructure and scalable service design.
 - Worked on backend system monitoring and debugging under cloud environment

Projects:

Facial Attendance System

Built a face recognition attendance system integrated with AWS for secure cloud-based verification.

- Enhanced recognition accuracy and retrieval time by optimizing OpenCV preprocessing and AWS S3 storage access.
- Tech Stack: Python, OpenCV, AWS (IAM, EC2, S3), Flask

Remote Desktop Controller and File Transfer

Developed a real-time web app for remote desktop control and peer-to-peer file transfer.

- Improved connection stability and concurrent user handling through optimized socket event management.
- Tech Stack: Node.js, Express.js, WebRTC, WebSocket, ReactJS, Python

Online Mock Interview Analysis

Created an AI-driven tool to record and analyze mock interviews using Google APIs.

- Streamlined data pipeline for faster audio-video analysis and better sentiment accuracy.
- Tech Stack: Python, Flask, Google Cloud Vision API, Google Speech-to-Text API

Corpus Collection Engine (AI-Powered Streamlit Application)

Built an open-source Streamlit app for multilingual, community-driven corpus collection.

- Delivered MVP within 1 week; integrated multilingual support, offline-first mode, and real-time contribution metrics for corpus building.
- Tech Stack: Streamlit, Python, SQLite, JSON, Hugging Face NLP Models, Hugging Face Spaces

Pingenix (In Progress)

Building a real-time messaging backend with secure APIs and socket-based communication.

- Implementing socket-based event broadcasting for efficient message delivery and real-time updates.
- Tech Stack: Node.js, Express.js, MongoDB, Socket.IO, JWT, REST APIs

setLedger (In Progress)

Developing an AI-powered business management suite for billing, inventory, and analytics.

- Architecting multiple interconnected modules for authentication, billing, AI-based stock prediction, and dashboard analytics.
 - Tech Stack: ReactJS, Node.js, Express, MongoDB, Flask, TensorFlow, Firebase, Chart.js, NLP Models
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Certifications:

Cloud & DevOps

- AWS CloudQuest: Cloud Practitioner — *Amazon Web Services*
- Oracle Cloud Infrastructure 2024 Data Science Certified Associate — *Oracle*
- Cloud Bootcamp — *GeeksforGeeks*
- Deploy a Serverless App for Image Processing — *Cognitive Class (IBM)*

Artificial Intelligence & Machine Learning

- Google Cloud Big Data and Machine Learning Fundamentals — *Google Cloud*
- Prompt Design with Vertex AI — *Google Cloud*
- Develop GenAI Apps with Gemini and Streamlit — *Google Cloud*
- Build Real World AI Applications with Gemini and Imagen — *Google Cloud*

Programming & Development

- Crash Course on Python — *Google*
- HTML, JavaScript and Bootstrap — *Udemy*
- DSA with Java — *LetsUpgrade*

Databases & Cybersecurity

- Understanding Basics of SQL — *Coursera*
- Foundations of Cybersecurity — *Google*