

# VANGALA VINAY KUMAR

Mobile: 8121007035 | Email: [vinaykumarvangala05@gmail.com](mailto:vinaykumarvangala05@gmail.com) | Portfolio: [vinaykumarvangala.github.io](https://vinaykumarvangala.github.io)

LinkedIn: [linkedin.com/in/vinay-kumar-vangala](https://linkedin.com/in/vinay-kumar-vangala) | GitHub: [github.com/VinayKumarVangala](https://github.com/VinayKumarVangala)

## 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

---

## **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