

VINAYAK CHOUHAN

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PROFESSIONAL SUMMARY

A **Self-motivated** final-year Computer Science student with a strong academic background and demonstrated skills in **software development**, **AI/ML**, and system-level programming. Skilled in problem-solving, debugging, and cross-functional collaboration. Interested in working within a group with global influence. Seeking a challenging opportunity at Telaverge Communications to apply my Problem Solving, Collaboration skills, and System Knowledge to deliver world-class solutions.

ACADEMIC EDUCATION

RGPV UNIVERSITY

Bachelor of Technology (**Computer Science & Engineering**)

Cumulative GPA: 6.99/10.0

Bhopal, MP

Expected July 2026

PIONEER PUBLIC H.S. SCHOOL [M.P. Board]

10th Std. 82.4%

12th Std. [P.C.M.] 70.9%

Anjad, MP

July 2020

July 2022

LEADERSHIP EXPERIENCE

CITY LEAD- AlertCode 3.0

- **Organized & Led** Web3 & AI events, meetups in Ujjain and Indore.

Indore, MP

DEVELOPMENT LEAD - Coding Club MIT

- **Led Speaker Sessions** on Computer Science fundamentals.
- **Conducted & Hosted** Workshops on Agentic-AI

Ujjain, MP

COMMUNITY MODERATOR - AppliedSchool

- **Hosted meetups** in Debugshala in Indore City.
- **Conducted Workshop** on Streamlit, Ollama, etc.

Indore, MP

SKILLS

Programming Languages: Python, C/C++, SQL, HTML, CSS.

Frameworks & Libraries: NumPy, Pandas, Matplotlib, Sci-kit Learn, TensorFlow, Keras, Streamlit.

System & Tools: Linux(Ubuntu), Git/Github, Vercel, Tableau, Google Cloud Platform.

Soft Skills: Collaboration, Communication, Presentation skills, Leadership skills, Teamwork, Critical thinking.

Relevant Technical Knowledge: SDLC, Agile, OOPS, Operating Systems, DBMS, CN, AI/ML, DSA

PROJECT EXPERIENCE

GEN-AI MODEL FROM SCRATCH

- Built a **Generative Adversarial Network (GAN)** in Python to generate synthetic MNIST dataset samples.
- Learned generator-discriminator architecture, debugging, and model evaluation techniques.

S-CURE

- Designed and implemented a **Skin disease Prediction Model** based on Image input for early detection of skin disease.

NEURAL NETWORK FROM SCRATCH

- Currently developing a Neural Network from scratch without using pre-built libraries, to gain knowledge about the core of Machine Learning.

STUDY-BUDDY

- Developed an AI-Powered Study Companion that leverages Gemini to create an intelligent study assistant that provides study support, notes summarization, and question generation.

C HEADER FILE

- Created a reusable C header library offering number theory utilities (factorial, prime, perfect number detection), promoting **clean code, documentation, and reusability**.

ACHIEVEMENTS

Semi-Finalist, International Hackathon “Paris BlockChain Week 2025”

1st Prize- Technical Presentation Competition (presented on Agentic AI theme).

Microsoft GenAI Fundamentals Certified | TCS Soft Skills Certified.

REFERENCES

PROF. DEEPALI KELKAR

HOD CSE, MITM Ujjain.

SANDEEP CHOUHAN

DevOps Technical Architect, Yash Technologies, Germany.

ANUP CHOUHAN

Developer, Data Axle, Pune.