

# ANUJ SINGH

Kanpur, Uttar Pradesh

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## SUMMARY

Aspiring Software Engineer seeking opportunities in full-stack development and AI-driven applications to solve real-world challenges. **B.Tech. in Computer Science (IoT)** student at **PSIT Kanpur**, with a solid foundation in **full-stack development (MERN), software security, and AI-driven applications**. Adept at **C, Java, Python, JavaScript**, and experienced in **secure coding practices**, data encryption, and cloud technologies. Passionate about **building scalable, enterprise-grade solutions**, and enhancing **data security** with innovative approaches.

## TECHNICAL SKILLS

AI & Generative AI: LLMs, RAG Framework, Prompt Engineering, Hugging Face, Vision APIs  
Programming: Python, Java, JavaScript  
Databases: MongoDB, SQL  
Cloud & DevOps: Azure AI, AWS AI Services, Docker, Version Control (Git/GitHub)  
Full-Stack Development: MERN Stack, Secure API Development  
Soft Skills: Problem-solving, Team collaboration, Communication

## WORK EXPERIENCE

**Generative AI Engineer | Soul AI (Remote)** Nov 2024 – July 2026 Kanpur, Uttar Pradesh

- Developed and fine-tuned **Generative AI models** for various applications.
- Applied **statistical techniques and AI engineering** to enhance model performance.
- Worked on **prompt engineering** to optimize AI interactions and outputs.
- Implemented **AI-driven solutions** to improve automation and decision-making processes.

## EDUCATION

**Pranveer Singh Institute of Technology, Kanpur** 2022-2026

**B.Tech. – Computer Science and Engineering (IOT)(Pursuing)** Percentage=71.3%(Till 5<sup>th</sup> Sem)

*Kanpur, Uttar Pradesh*

**Course Work:** Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Artificial Intelligence, Image Processing.

**Florets International School, Kanpur**

*Kanpur, Uttar Pradesh*

Intermediate (CBSE) | Aggregate: 62% | 2022

**Florets International School, Kanpur**

*Kanpur, Uttar Pradesh*

High School (CBSE) | Aggregate: 83% | 2020

## PROJECT WORK

**Face Recognition System | Python, Pickle, OpenCV, VS Code** (2023-2024)

- Developed a real-time face recognition system using Python and OpenCV.
- Implemented Pickle for efficient serialization of trained models and datasets, achieving an accuracy range of 55-60%.
- OpenCV-based real-time detection ensures fast and accurate face identification in images and video streams.
- Combined machine learning algorithms to enhance recognition accuracy to 60%.

**YouTube Transcript Summarizer | Python** (2023-2024)

- Developed a YouTube transcript summarizer, reducing video summarization time by 40%.
- Developed a tool that fetches YouTube video transcripts and provides concise AI-generated summaries.
- Designed an intuitive user interface for seamless interaction and summarization.

**Image Classification Model | Python, FastAPI, Docker, CNN, PyTorch** (2024 – 2025)

Developed a full-stack image classification API using Convolutional Neural Networks (CNN) for real-time image prediction.

- Designed modular training pipeline using PyTorch with custom CNN, ResNet, and VGG experimentation.
- Applied preprocessing, data augmentation, and hyperparameter tuning (GridSearchCV, KerasTuner).
- Dockerized API for platform-agnostic deployment; supports running in containers via docker build and run.
- Hosted code on GitHub with complete documentation and setup guide.

**Full-Stack Development**

- Netflix Clone: Created a video streaming application using ReactJS and Node.js, implementing secure payment gateway integration.

## AWARDS AND CERTIFICATES

- Infosys Springboard Certifications: HTML, CSS, JavaScript, DBMS, Python Programming 1 & 2.
- Completed “ChatGPT and Generative AI: The Ultimate Course” on Udemy (Dec 2025)
- Completed the “No Code AI Agent Builder” course using n8n (May 2025)
- Completed Accenture's Data Analytics and Visualization Virtual Internship on Forage (Nov 2024 – Apr 2025)
- Completed the AWS Solutions Architect Job Simulation by Forage (Apr 2025)

## ACHIEVEMENTS

- Secured All India Rank 518 in **AINCAT 2025 – India's Biggest Career Aptitude Test** conducted by Naukri Campus.