VANSHIKA CHAUHAN

Computer Science Engineer

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Summary

Computer Science professional with experience in software engineering and problem-solving, expert in developing innovative software solutions and collaborating with cross-functional teams. Key achievements include contributing to the successful design and testing of next-generation software that improves productivity for global users and proactively adopting new engineering methods to enhance product reliability.

Education

Bennett University	Greater Noida, UP
Bachelor of Technology in Computer Science Engineering (Data Science)	08/2023 - 05/2027

Skills

C++ · Typescript · Data Structures · Flask · Git · GitHub · HTML · JavaScript · MongoDB · OOP · OpenCV · Pandas · Python · React · REST · Node.js · HuggingFace · TensorFlow · Data Cleaning · Web Scraping · Feature Engineering · EDA · Docker · Matplotlib · SQL · NumPy · Express.js

Experience

AmenityForge — Remote
AI & Backend Head
02/2025 - Present

AI & Backend Head (Remote)

- Engineered QuizGenie, a Python-based NLP tool that converts study material into interactive MCQs using spaCy and regex parsing
- Built GradeAI, a rule-based evaluation engine that analyzes and scores textual student answers
- Designed and deployed RESTful APIs for goal tracking, task management, and AI-generated suggestions
- Collaborated in Agile sprints with UI/UX and frontend teams for feature planning and release cycles

SwissVogue — Remote
Data Analytics & Web Intern
06/2025 - Present

Data Analytics & Web Intern (Remote)

- Developed automated scripts to analyze product pricing trends and customer preferences from retail datasets
- Refactored dashboard structure using Python + Excel formulas to support catalog redesign strategy
- Created flow diagrams and wireframes to inform potential product filter and sort system integration
- Participated in weekly sprint calls with founder and tech team to align business and tech deliverables

Dogowala — Remote
Data Research & Backend Support Intern
06/2025 - Present

Data Research & Backend Support Intern (Remote)

- Built structured databases from scraped/local data on 20+ pet service providers (clinics, stores, groomers)
- Assisted in defining backend schema for regional pet business directory feature
- Led newsletter content generation and API planning discussions for web launch

Projects

SocialMood
10/2024 - 2025

Emotion-Based Content Classifier

- Engineered an NLP-driven backend using Python to classify and tag social media posts by emotional tone
- Designed modular architecture for future integration into a full-stack React + Flask app
- Incorporated model training and deployment pipeline using scikit-learn and Flask REST API

MindMap+
02/2025 - 03/2025

AI-Powered Academic Assistant

- Developed a Python-based study assistant that generates mind maps and quizzes using NLP techniques
- Implemented Tkinter GUI, file parsing, and rule-based NLP for auto-generating revision material
- Focused on modular, testable code structure and real-time feedback for educational use cases