

Tanishq Chauhan

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SUMMARY

Final-year Computer Science Engineering student specializing in Data Science and Software Development. Proficient in Python, Java, and SQL with strong knowledge of OOP, Data Structures, and Algorithms. Experienced in building ML applications, scalable back-end systems, and working with MySQL, MongoDB, Power BI, and Excel. Passionate about solving real-world problems through intelligent systems and clean, efficient code.

EDUCATION

Sharda University

Uttar Pradesh, India

B.Tech in Computer Science and Engineering (Data Science)

Sep. 2022 – Present

- CGPA: 9.05
- **Relevant Coursework:** Data Structures and Algorithms, Machine Learning, Artificial Intelligence, Database Management Systems, Operating Systems, Computer Networks, Data Science

INTERNSHIP

Data Analyst Intern | Anantam Advisors Pvt. Ltd.

May 2025 – July 2025

- Developed **PropIntel**, a real-estate intelligence platform that improved decision accuracy by **30%**.
- Performed **data validation, transformation, and analysis** on property datasets using Python, SQL, and Excel.
- Created interactive **Power BI dashboards and Excel reports**, enabling data-driven insights for stakeholders.

PROJECTS

HashReaper | Blockchain, Smart Contracts, Python [\[GitHub\]](#)

January 2025 - May 2025

- Built a **data integrity validation tool** using SHA-based hashing, ensuring secure and tamper-proof data.
- Implemented **SHA-based hashing with smart contracts** on **Ethereum Sepolia** for immutable on-chain storage.
- Designed workflows for **metadata capture, validation, and reporting** to support analytics teams.

BhashaBlend | Python, Whisper ASR, gTTs, Streamlit [\[GitHub\]](#)

March 2024 - January 2025

- Engineered a **multilingual video dubbing platform**, enabling **translation of videos**, achieved a **12.4 WER**
- Optimized **audio-video sync** using **speech recognition** and **NLP** to enhance accessibility and multilingual output.
- Integrated **Whisper ASR, gTTS** into a pipeline that automated transcription, translation & speech synthesis.

SignVerse | Python, CNN, OpenCV, Flask [\[GitHub\]](#)

August 2024 - December 2024

- Developed a high-performance **multilingual sign language** interpreter using **CNNs**, achieving **96%+** accuracy.
- Preprocessed **25,000+** images to ensure robustness across diverse hand gestures and lighting conditions.
- Deployed a real-time **Flask-based web app** with integrated **text-to-speech**, enabling gesture to audio translation.

TECHNICAL AND FUNCTIONAL SKILLS

Libraries & Tools: OpenCV, NumPy, Pandas, PyTorch, Whisper, Matplotlib, Streamlit

Programming Languages : Python, Java, HTML, CSS

Software & Platforms: MS Excel, Power BI, Jupyter Notebook, Tableau, Git, Google Sheets

Database: MySQL Workbench, MongoDB

Functional Skills: Problem Solving, Data Validation, Business Communication, Adaptability, Collaboration

ACHIEVEMENTS

- Secured **Top 5% rank** nationwide in **NPTEL exams**
- Awarded **college scholarships for 2 consecutive years** in recognition of academic excellence.

CERTIFICATIONS

- **Oracle Cloud Infrastructure (OCI) Foundations Associate** — Oracle Issued: Sep 2025
- **Harnessing the Power of Data with Power BI** — Microsoft (Coursera) Issued: May 2025