

Ketan Verma

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EDUCATION

Cornell University – Cornell Tech

Master of Engineering in Computer Science

May 2027

New York City, NY

Texas A&M University

Bachelor of Science in Computer Engineering

May 2026

College Station, TX

- 3.5 GPA, Deans Honor List (Fall 2022, Fall 2024)
- Relevant Coursework: Data Structures and Algorithms: A; Intro to System Design: A; Intro to Software Engineering: A; Machine Learning: A

WORK EXPERIENCE

Software Engineering Intern – Data and AI

Samsung Austin Semiconductor

May.2025 - Aug.2025

Austin, TX

- Captured **5 ×** more wafer defects than legacy tools, preventing wafer scrap, powered by a streamlined **Python-Pandas-ML pipeline**
- Cut total alerts **by 15 %** and false positives **by 50 %** through targeted feature engineering and **Random Forest** tuning, ensuring reliable, interpretable, and **production-ready AI systems**

RESEARCH & PROJECTS

Undergraduate Research Assistant

July.2024 - Present

College Station, TX

- Executed experiments with Python and APIs for removing disfluencies from conversational systems, contributing to research publications, including a paper now available on **arXiv (Cornell University)**

Founder & Applied AI Engineer

Elysi

Sept.2025 - Present

- Built a full-stack **Chrome extension + FastAPI backend** monitoring user actions across Sheets, VS Code, Notion, and Jupyter to provide real time guidance on efficiency, shortcuts, and task execution
- Engineered a data pipeline for live action tracking, user profiling, and analytics, using **Python, Web APIs, and GPT scoring engines**, enabling personalized skill feedback currently **tested by 10–20 active users**

LEADERSHIP

President

tidal (AI/ML Organization)

Jan.2023 – Present

College Station, TX

- Owned product roadmap for tidal’s growth, scaling attendances to **300+** by launching **6 AI/ML hackathons** with AWS, Google Cloud, Microsoft, and Nvidia while securing **\$90,000** in funding
- Led the organization to win **Texas A&M Student Organization of the Year 2024**

SKILLS

- Python, SQL, C++, Java | Git, PySpark, Flask, React, Tailwind, OpenCV | TensorFlow, PyTorch, Keras, Scikit Learn | Neural Networks, Reinforcement Learning, Classification, Regression, NLP