Ketan Verma

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PROFESSIONAL SUMMARY

Computer Engineering student with skills in Python, AI/ML, and C++.. Leadership experience in managing AI/ML hackathon projects and optimizing cloud-based applications. Looking for opportunities to learn and gain industry experience in a software development role.

WORK EXPERIENCE & PROJECTS

President   **Jan.2023 – Present**
TIDAL (AI/ML Organization)   *College Station, TX*

- Led workshops on neural networks and image detection, utilizing CNNs, growing attendance to 50-60 participants each.
- Utilized SQL for data querying and Tableau and Power BI to create interactive dashboards, improving data retrieval and visualization efficiency by 25% across multiple AI/ML projects.
- Organized a 280 member Data Science hackathon partnering with AWS, NVIDIA, and Google Cloud.

Undergraduate Research Assistant   **July.2024 - Present**
                                                                                       College Station, TX

- Enhanced algorithm reliability and reduced bias in large language models and recommendation systems.
- Designed and executed experiments for conversational systems, contributing to research publications.

AI based Financial Forecaster Project   **May.2024-Aug.2024**

- Built a random forest regression model to forecast financial metrics, reducing MSE by 20%.
- Conducted data preprocessing and feature engineering, improving model accuracy by 15%.
- Utilized **Python** and Scikit-learn for model training and evaluation; deployed using Flask and Bootstrap.

EDUCATION

Texas A&M University   **May 2026**
Bachelor of Science in Computer Engineering   *College Station, TX*
- CSCE 221 (Data Structures and Algorithms in C++): A; STAT 211 (Statistics with R): A.
- 3.52 GPA, Honors.

SKILLS & CERTIFICATIONS

- **Languages:** Python; SQL; C++; Java.

- **Technologies:** Git; Tensor-flow; Keras; PyTorch; Tableau; Power BI; Flask; OpenCV.

- **Machine Learning:** Neural Networks; Reinforcement Learning; Regression; Classification.

- **Cloud platforms:** AWS; Google Cloud.

- **Certifications:** Data Structures and Algorithms, Stanford University (May 2021-August 2021)
  Machine Learning with Python, IBM (May 2024- June 2024).