CHAITANYA JADHAV
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SKILLS

Programming Languages: Python, JavaScript, TypeScript
Frameworks/Libraries: LangChain, Flask, React, OpenCV, Pandas, Numpy, Scikit-learn, PyTorch

EDUCATION

Nanyang Technological University **August 2021 – June 2025**
Bachelor of Computing, Computer Science, AI Specialization

WORK EXPERIENCE

PhillipCapital, AI Engineer **July 2025 – Present**

- Implemented a collaborative filtering engine to recommend securities from historical purchases.
- Developed authentication and access control for an internal AI-powered chatbot, enabling secure usage across global offices.

Panasonic R&D Center Singapore, IP3D Intern **January 2024 – July 2024**

- Designed a testing framework for Retrieval-Augmented Generation pipelines, enabling rapid experimentation with open-source models.
- Built data-processing and evaluation workflows in LangChain, integrating a custom LLM-as-a-Judge module using the fine-tuned Prometheus-7B model to score responses.

Maritime and Port Authority of Singapore, ESD Intern **May 2023 – August 2023**

- Developed a scalable component library using React and Typescript to serve as the foundation for all future applications.
- Translated Figma-based specifications for 17 reusable UI components into production-ready code, implementing standardized icon sizing, spacing, and typography rules.

ACADEMIC PROJECTS

NTU URECA Program **August 2023 – June 2024**
Serving Insights: Improving Data-Driven Badminton Analytics with Computer Vision and Machine Learning

- Built an automated badminton analytics pipeline in Python using OpenCV and OpenPose to extract player positions from video.
- Trained a time-series classification model to recognize shot types from positional and pose data, enabling automated quantitative match analysis.
- Achieved >90% precision, recall, and F1-score in classifying overhead, forehand, and backhand shots.

NTU URECA Program **August 2022 – June 2023**
Data Analytics in Football: Defining the Playing Styles of Singapore PL Teams.

- Developed an expected goals (xG) model using shot data from the 2019–2021 Singapore Premier League seasons to evaluate shot quality.
- Used regression tree analysis to identify possession styles yielding up to 0.216 expected goals per shot; mapped tactical strengths to top-performing Singapore Premier League teams.

PERSONAL PROJECTS

Sports Event Trackers **July 2023 – Present**

- Built interactive multi-sport event trackers with real-time coordinate mapping and action tagging. Automated per-player PDF and CSV match reports, reducing report generation time to under 1 minute.