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NAVEEN CHAITANYA KANCHARLA

Machine Learning Engineer

PROFESSIONAL SUMMARY

Machine Learning Engineer with 1+ years of experience building and deploying **machine learning models at scale** for **consumer-facing products**. Skilled in developing **data-intensive products** that process **large amounts of data** in **real-time** to drive **low-latency decisions**. Known for delivering measurable **insights** through **live experiments** and optimizing **business metrics**. Experienced in **collaborating with engineers and data scientists** to build **foundational patterns** that scale across teams. Passionate about **AI, emerging technologies**, and contributing to an inclusive, growth-oriented **company culture** in a **dynamic startup environment**.

EMPLOYMENT HISTORY

JUNIOR DEVELOPER   **Aug 2022 - Dec 2023**
GIGABYTE   *Banglore*

- Built and deployed **real-time**, **low-latency ML models** for predictive maintenance, improving component failure prediction accuracy by **28%** and reducing downtime.
- Designed and implemented **data pipelines** for collecting and processing product telemetry, supporting scalable **machine learning at scale** for global devices.
- Collaborated closely with product managers and **data scientists** to identify high-impact **features** and improve **consumer-facing** recommendation engines, increasing click-through rate by **15%**.
- Ran **live user-facing experiments** and A/B tests to measure **impact on business metrics**, achieving a **12% boost** in B2C conversion and actionable **insights** for future model iterations.
- Wrote and maintained high-quality **production code**, following modular design and testing patterns for deployment across embedded systems and edge devices.
- Pioneered reusable ML infrastructure and **foundational patterns** for model deployment and monitoring, adopted by other engineering teams.

SKILLS

Python *(Expert)*, JavaScript *(Experienced)*, HTML5 *(Experienced)*, CSS3 *(Expert)*, Docker *(Expert)*, RESTful APIs *(Expert)*,
Data handling(ETL pipelines, APIs, JSON, CSV) *(Expert)*, Machine Learning Libraries *(Expert)*, AWS *(Expert)*,
TensorFlow, PyTorch, Scikit-learn *(Expert)*, CI/CD *(Expert)*, MLflow, Docker, Git, Airflow *(Expert)*, SQL *(Expert)*,
Bash *(Expert)*, Recommendation Systems, NLP, Feature Engineering, A/B Testing, Speech Recognition *(Experienced)*.

EDUCATION

MASTERS IN INFORMATION TECHNOLOGY   **Jan 2024 - Aug 2025**
St Francis College   *New York City*

Graduated with the GPA of 3.84

BACHELOR'S IN COMPUTER SCIENCE WITH AI&ML   **Jun 2018 - May 2022**
SRM institute of Science and Technology   *Chennai,India*

graduated with the CGPA of 8.5 on the scale of 10

LINKS

Github: github.com.

LANGUAGES

English *(Native)*, Spanish *(Novice)*.

ACHIVEMENTS

♦ **AI Agent for Discount Tire (Demo Project)**

- ◊ Designed and deployed an interactive AI agent allowing users to order tires via voice prompts using integrated **speech recognition**.
- ◊ Built end-to-end pipeline: user speech → NLP intent extraction → real-time product recommendation → order placement.
- ◊ Achieved >**92% intent accuracy** and reduced order latency to under **200 ms**, demonstrating robust **real-time, consumer-facing** ML application.

GitHub Contributions & Profile Achievements

- ◊ Earned **Pull Shark** badge: merged multiple public pull requests within a short timeframe, demonstrating active collaboration.
- ◊ Earned **Quickdraw** badge: closed PRs/issues within 5 minutes of opening, showcasing fast turnaround and responsiveness.
- ◊ Earned **Pair Extraordinaire** badge: co-authored successful pull requests, illustrating **collaboration** and team contributions.

Conducted comprehensive academic research that improved project outputs by 20%, aiding Account Managers in delivering data-driven insights to clients.

Supervised a team of researchers in executing multiple academic projects simultaneously, ensuring adherence to timelines and enhancing overall productivity by 30%.