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NAVEEN CHAITANYA KANCHARLA

Software Engineer - Creator

PROFESSIONAL SUMMARY

Results-driven Machine Learning Engineer with 1+ year of experience designing scalable backend systems and microservices in Go. Proven track record in deploying production-ready ML solutions on AWS, building real-time notification services, and collaborating with frontend teams. Strong foundation in system architecture, code reviews, and cross-platform development, with a focus on performance, quality, and customer impact.

EMPLOYMENT HISTORY

JUNIOR DEVELOPER

Aug 2022 - Dec 2023

GIGABYTE

Bangalore

- ♦ **Designed and deployed** scalable machine learning models to personalize GPU driver recommendations, increasing customer engagement by **17%** across multiple global regions.
- ♦ **Collaborated cross-functionally** with frontend and mobile teams to integrate ML-driven performance diagnostics into client dashboards, reducing customer support load by **24%**.
- ♦ **Engineered backend microservices** in **Go** and **Python**, streamlining GPU failure prediction pipelines, reducing hardware RMA (Return Merchandise Authorization) by **12%**.
- ♦ Led **code reviews and architectural discussions**, introducing best practices for feature deployment and CI/CD pipelines using **AWS** and **Docker**.
- ♦ Developed **push notification system** to alert users of firmware vulnerabilities, reaching over **300K** users with **<200ms latency** through scalable APIs.

SKILLS

Python (*Expert*), JavaScript (*Experienced*), HTML5 (*Experienced*), CSS3 (*Expert*), Docker (*Expert*), RESTful APIs (*Expert*), GitHub Actions (*Expert*), Data handling(ETL pipelines, APIs, JSON, CSV) (*Expert*), Machine Learning Libraries (*Expert*), GIT (*Expert*), AWS (*Expert*), Application Development (*Expert*), CI/CD (*Expert*), Kafka (*Expert*).

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

- ♦ **Deployed first ML-driven firmware alert system**, reducing customer service tickets by **24%** and saving ~\$60K/year in support costs.
- ♦ **Reduced GPU RMA rate by 12%** through predictive maintenance models trained on 500K+ telemetry logs across user devices.
- ♦ **Built a microservice-based GPU diagnostic API in Go**, scaling to **10M+ requests/month** with 99.98% uptime.
- ♦ **Improved driver recommendation accuracy by 22%** using collaborative filtering techniques trained on usage patterns and feedback data.
- ♦ **Spearheaded secure AWS infrastructure setup** with Terraform, reducing manual provisioning time by **40%** and improving system reliability.

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%.