

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 <i>GIGABYTE</i>	Aug 2022 - Dec 2023 <i>Bangalore</i>
<ul style="list-style-type: none">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 <i>St Francis College</i>	Jan 2024 - Aug 2025 <i>New York City</i>
Graduated with the GPA of 3.84	

BACHELOR'S IN COMPUTER SCIENCE WITH AI&ML <i>SRM Institute of Science and Technology</i>	Jun 2018 - May 2022 <i>Chennai, India</i>
graduated with the CGPA of 8.5 on the scale of 10	

LINKS

Github: [github.com.](https://github.com/)

LANGUAGES

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

ACHIEVEMENTS

- ◆ 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%.