Rohan Chandrashekar

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SUMMARY

Graduate Computer Science student at **ASU** and former **HPE Technical Solutions** Consultant specializing in **Cybersecurity**, Machine Learning (**ML**) and Artificial Intelligence (**AI**). Experienced in designing and deploying **scalable**, real-time **threat detection** workflows using **NVIDIA Morpheus**, backed by strong fundamentals in **Algorithms**, **Agentic AI**, and **Applied ML**. Proven ability to translate **Security** and **Performance** problems into production-ready enterprise solutions through cross-functional collaboration. Seeking **Summer internships** in **ML**, **AI** and **Optimization** related roles.

EDUCATION

Master of Science - Computer Science January 2026 – December 2027 (Expected)
Arizona State University, Tempe, AZ, USA 4.00 GPA

TECHNICAL SKILLS AND CERTIFICATIONS

Technologies: Python, Modern C++, Git, Docker, Linux, Kubernetes, Kafka, Spark, Ansible, PyTorch, TensorFlow, Splunk, ELK
Skills: ML, AI, Cybersecurity, Deep Learning, NLP, Generative AI, LLMs, Agentic AI, Distributed Systems, MLOps, System Design
Certifications: Quantum Computing Fundamentals MIT xPRO, ISO/IEC 27001 Lead Auditor

PROFESSIONAL EXPERIENCE

Hewlett Packard Enterprise (HPE), India: Technical Solutions Consultant September 2024 – May 2025

- Deployed an **AI Cybersecurity** implementation for **Email Data Loss Prevention (DLP)** by a **ML** pipeline integrating **NVIDIA Morpheus** and **Triton LLM** Inference Server. Orchestrated on **RKE2 Kubernetes** clusters, **Kafka** for data streaming and **Rook Ceph** for persistent storage. Achieved real-time threat detection and integration into **SIEM** workflows (**Splunk**).
- Delivered **HPE SQuest, an Everything-as-a-Service (EaaS)** accelerator by developing and maintaining 30+ **Red Hat Ansible (AWX)** playbooks orchestrating repeatable platform deployments in collaboration with the HPE France team.
- Awarded **Best New Joiner** among **400+** intern to FTE conversions nationwide by delivering **cloud-native** architectures and scalable **Generative AI** solutions that enhanced security posture and accelerated infrastructure automation.

Hewlett Packard Enterprise (HPE), India: Technical Solutions Consultant Intern February 2024 – August 2024

- Built a full-stack **Firewall Migration Tool** by developing a **Python**-based parser and **HTML/CSS** interface to automate policy translation between Cisco, Palo Alto, Fortigate, CheckPoint and Juniper Firewalls, reducing network security engineers' manual conversion effort by 50%.

Sattva Human, India: Technical Solutions Consultant Intern January 2024 - February 2024

- Built a framework to strengthen AI Security standards for **GPT-4/LLM** Workflows.

PUBLICATIONS

Mental Health in the Digital Era – NLP Models for Depression and Suicidal Tendency Detection November 2023
Springer Nature – Fifth International Conference on Computing and Network Communications (CoCoNet – 2023) – Volume 2

- A **Natural Language Processing (NLP)** model for Mental Health Diagnostics by fine-tuning **BERT** on **27000+** text entries.
- Achieved **96% accuracy** and **F1-Score** outperforming **SVM** & **LSTM**, enabling contextual semantics and low false negatives.

PROJECTS

Detection of Bank Transaction Anomalies using Gradient Boosted Federated Learning May 2024

- A privacy-preserving bank-transaction fraud detection system with **XGBoost** + **Flower Federated Learning**, on the **PaySim** dataset (**6M+ transactions**) and evaluated performance from **2-16 Clients** across **20 Cyclic Federated Learning rounds**.
- Model learned from distributed clients without centralizing sensitive financial data, improving accuracy from **91% to 98%**.

C++ Graph Algorithm Library April 2023

- Built a high-performance **C++ Graph Algorithm** Library that executes complex graph traversals with **O(V+E)** efficiency.
- Reduced computational **latency** by **60%** compared to native Python by exposing optimized **low-level C++ logic** and **STL**.

ACHIEVEMENTS

- Received **Best Paper Award** for presenting a **Research Paper** at **IEEE** International MRTM Conference 2023.
- Nominated as a **National Leader** for a **$100k+** crowdfunding campaign to support education for underprivileged children, dedicating **40+ hours** to mentoring students in Spoken English.
- Volunteered at Youth for Seva (YFS) **coaching** government-school students for the **NMMS scholarship exam** and organizing Chiguru, a flagship cultural fest for **3,000+ students**, earning the **Mitra Award** for **50+** hours of volunteering.