

# RISHI SRIKAANTH

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## SUMMARY

M.S. candidate in Artificial Intelligence at Northeastern University (GPA: 4.0) with hands-on experience designing and implementing automation frameworks and internal tools using Python and Java.

## EDUCATION

**Northeastern University | Master of Science in Artificial Intelligence** | Boston, MA | June 2026 | Cumulative GPA: **4.0**

- Relevant Coursework: Algorithms, Foundations of AI, Machine Learning, Programming Design Paradigm, Human-Centered AI

**VIT University | Bachelor of Technology in Computer Science and Engineering** | Vellore, India | June 2023

## EXPERIENCE

**RunSecurity Inc. | AI Engineer**

Boston, MA (Aug 2025 - Present)

- Designed and deployed a risk-scoring model combining CVSS and asset criticality to prioritize remediation, cutting MTTR by 20%.
- Applied LLMs to add business context to risk assessments, speeding priority calls by 30% in time-sensitive incidents.
- Built a Golang end-to-end ingestion pipeline parsing AWS data from handling ~5–10k events/hr.

**Northeastern University | Teaching Assistant - CS4100: Foundations of AI**

Boston, MA (Aug 2023 - Jul 2024)

- Led 30+ office hours and review sessions for 150+ students, demystifying key AI topics—search, ML, RL, NLP, and ethical AI.
- Collaborated with faculty to develop coding demos in Python for ML/AI concepts; enhanced engagement for 150+ students.
- Led office hours focused on reasoning-based ML models; encouraged reflective debugging and analysis in NLP exercises.

**Visteon Corporation | Software Engineer**

Chennai, India (Aug 2023 - Jul 2024)

- Introduced AI-driven unit testing automation framework, cutting development time by 136%
- Spearheaded development of an in-vehicle network emulator for Bluetooth/HIL testing, accelerating integration cycles by 40%.
- Collaborated with embedded, Android framework, and QA teams to deliver Bluetooth features. Deployed in 100K+ vehicles.

**Altimetrik | Machine Learning Engineering Intern**

Bengaluru, India (June 2022 – Aug 2022)

- Analyzed graph datasets and developed applications to structure complex data, improving system efficiency by 30%.
- Built backend in Python to structure and migrate data to Neo4j, with automated ingestion scripts and query optimization.
- Built graph-based data pipelines using Python and Neo4j, integrated automated ingestion and logging with structured schemas.

## PROJECTS

**Microsoft Malware Prediction - [Kaggle](#)**

[GitHub](#)

- Objective: Identify malware infection risks in Windows telemetry using Microsoft's Malware Prediction dataset.
- Approach: Built a full ML pipeline with feature engineering, PCA/LDA selection, and XGBoost, Light-GBM, and neural networks.
- Impact: Attained model performance of 66.83% validation accuracy and a 0.63683 public leaderboard score.

**Reinforcement Learning for Crop Yield Optimization.**

[GitHub](#)

- Objective: Optimize crop yield in agricultural simulations using machine learning models.
- Approach: Model training SAC, PPO, and DQN on time series data, improving simulated yield by 12%.
- Impact: Identified and fixed reward structure flaws in SWATgym, enhancing RL research integrity.

**Fake Customer Review Detection**

[GitHub](#)

- Objective: Enhance online trust via fraud detection using large-scale datasets and ML models deployment.
- Approach: Model training deep learning models like LSTM and its variants Bi-directional LSTM, achieving 92% accuracy.
- Impact: Deployed a Python-based framework to validate 2000+ reviews, increasing user trust in ratings.

**LLM Travel-Agent Chatbot with RAG (Retrieval-Augmented Generation)**

- Built AI conversation engine with Google Gemini 2.5 Flash, FastAPI backend and Next.js/React frontend for trip planning.
- Engineered accessibility-first UI (0–10 scoring, wheelchair-friendly venues, large-font/high-contrast, screen-reader).
- Integrated Google Places, Amadeus & Maps APIs to deliver smart itineraries, flight booking, interactive maps & PDF export.

## SKILLS

- AI/ML Expertise:** Reinforcement Learning, Supervised Learning, Unsupervised Learning, Local LLMs, Feature Engineering, neural networks, AI algorithms, NLP, data structures, transformer models, NumPy, Pandas
- Programming & Tools:** Python, TensorFlow, PyTorch, Scikit-learn, Neo4j, SQL, Java
- Product Skills:** Git, JIRA, Agile Methodologies, Product Development, Cross-functional Collaborative environments
- CERTIFICATION:** AWS Cloud Practitioner, National Engineering Olympiad Rank = 2118