Aryan Varmora

aryanvarmora8@gmail.com +1 (929) 676-5994 Bronx, NY linkedin.com/in/aryanvarmora
github.com/AryanVarmora aryanvarmora.com

PROFESSIONAL SUMMARY

Software Engineer with demonstrated expertise in artificial intelligence, machine learning, and enterprise-grade backend systems development. Proven ability to deliver measurable operational improvements, including 35 percent reduction in processing time and 30 percent enhancement in system performance through strategic automation and optimization initiatives. Experienced in full-stack development using Python, Java, and cloud-native architectures, with a comprehensive understanding of software development lifecycle from requirements analysis through production deployment. Specialized in implementing advanced technologies including large language models and generative artificial intelligence to address complex business challenges and drive organizational efficiency.

EDUCATION

Fordham University, Master of Science in Computer Science | GPA: 3.83 May 2026 | New York
Relevant Coursework: Software Engineering, Data Visualization, Cloud Computing, NoSQL, Data Mining, Big Data Computing, Machine Learning, Mobile Device Programming
Merit-based scholarship and Graduate Assistantship

Silver Oak University, B.Tech in Computer Engineering | GPA: 3.97 Jun 2024 | Ahmedabad, India
Relevant Courses: AI & ML, DBMS, OS, Algorithms, Cyber Security, IOT, Java, Advance Java

PROFESSIONAL EXPERIENCE

Fordham University, Graduate Assistant Aug 2024 – Present | New York
- Collaborated with research teams and faculty to scope and document artificial intelligence systems, ensuring clarity and maintainability across multiple projects
- Engineered and deployed artificial intelligence models that automated manual tasks, reducing processing time by 35 percent and increasing decision-making accuracy by 20 percent
- Created predictive models to enhance data workflows, improving processing efficiency by 30 percent

Neev Infosoft, Software Engineering Intern Sep 2022 – Feb 2024 | Ahmedabad, India
- Enhanced system performance by 30 percent through database schema optimizations and indexing, improving speed and scalability
- Built modular object-oriented programming based software components, reducing maintenance time by 40 percent
- Conducted unit testing and integration testing, ensuring 95 percent plus test coverage

SKILLS

Programming and Scripting — Python, Java, C++, Shell Scripting, SQL, UNIX, YAML, JavaScript Object Notation, **Frameworks and Tools:** — Spring Boot, Gradle, Representational State Transfer APIs, Pandas, Scikit-learn, TensorFlow, Jenkins, Git, Postman, **Cloud and Infrastructure** — Docker, Google Cloud Platform including Compute Engine and Cloud Storage, Amazon Web Services including S3 and Lambda, **Data Modeling and Risk Analysis** — Logistic Regression, Monte Carlo Simulations, Predictive Modeling, Natural Language Processing

PROJECTS

PromptCraft-Finance (LLMs, Prompt Engineering, Generative AI for Finance)
- Constructed a financial analytics platform using open-source large language models including Mistral, Phi-2, and Falcon to simulate risk profiles, investment scenarios, and macroeconomic summaries
- Built scalable application programming interfaces for budget planning and portfolio insights using Python, Hugging Face Transformers, Gradio, and Docker
- Employed natural language processing models for structured and unstructured financial data analysis, with continuous integration ready deployment on Hugging Face Spaces
- Integrated Monte Carlo style simulations and prompt-driven logic to support data-driven decision-making in finance

EcomMonger (Java, Spring Boot, REST APIs, MongoDB)
- Constructed a secure, role-based e-commerce backend using Java, Spring Boot, Representational State Transfer application programming interfaces, and MongoDB to manage high-volume transactional data
- Integrated JavaScript Object Notation Web Token authentication, payment application programming interfaces, and order lifecycle management to simulate real-world financial operations
- Implemented unit testing and integration testing with Postman and JUnit and optimized continuous integration and continuous deployment pipelines using Git and Jenkins
- Focused on scalable backend design and data processing, relevant to financial system infrastructure and risk modeling environments

SolarSystem (Java, Data Modeling, Visualization)
- Engineered an interactive Java-based simulation of the solar system, incorporating real-time planetary data processing and orbital calculations
- Parsed and visualized structured JavaScript Object Notation data, applying mathematical models to simulate planetary motion and spatial relationships
- Demonstrated algorithmic thinking, data structuring, and performance optimization in a computation-heavy environment

ACHIEVEMENTS

Graduate Student Ambassador, Graduate School of Arts & Science, Fordham University present

Docker Foundations Certificate, LinkedIn Learning Feb 2025