Pranav Kannan Hariharane

408-314-5975 | haripranav2@gmail.com | github.com/hariharanep | www.linkedin.com/in/pranav-hariharane

EDUCATION

Columbia University, New York, NY – M.S. in Computer Science
Grad: December 2025; GPA: 3.89/4.0

Purdue University, West Lafayette, IN – B.S. in Computer Science and Data Science
Grad: December 2022; GPA: 3.86/4.0
Dean's List & Semester Honors: 7/7 Semesters

EXPERIENCE

Backend Developer at Barclays   **02/13/2023 - Current**
Support in developing and enhancing the backend of the customer website
- Collaborate with teams for specification on integration of existing and new **API** calls
- Manage and own the development of a **REST API** with endpoints used to check a user's eligibility information
- Coordinate with team members to resolve any issues with the login and registration experience
- Employ the **Maven**, **Stripes**, and **Spring Boot** frameworks with **Java** for these efforts

Software Developer Engineering Intern at Amazon   **05/23/2022 - 08/12/2022**
Implemented idempotency for the CRUD operations in the AWS AppFlow service
- Applied the **Maven**, **Google Guice**, and **DynamoDB** frameworks in **Java** for the project
- Deployed project changes onto **AWS Lambda** instances in lower environments
- Monitored project logs and execution with **AWS CloudWatch** and **CloudFormation** services

Data Science Capstone Project with Helmer Scientific   **01/10/2022 - 05/06/2022**
Utilized **Machine Learning** to improve sales forecasting accuracy to a 15% margin for error
- Analyzed time series data for 20+ products to find trends to leverage in **SARIMA** models
- Trained, evaluated, and interpreted the accuracy of these models using the **NumPy**, **CSV**, **Matplotlib**, and **Scikit-learn** libraries in **Python**

Software Engineering Intern at Automation Anywhere   **06/14/2021 - 12/31/2021**
Automated tests for the frontend and backend frameworks of the enterprise process automation software service
- Applied the **Selenium**, **TestNG**, and **Maven** frameworks in **Java** for the frontend tests
- Applied the **REST Assured**, **TestNG**, and **Maven** frameworks in **Java** for the backend tests

SKILLS

Languages: Java, C/C++, Python, JavaScript, SQL, R, SAS, HTML, CSS
Database Management Systems: MySQL, PostgreSQL, Neo4j, MongoDB
Amazon Web Services: S3, DynamoDB, CloudWatch, CloudFormation, Lambda
Other Tools: Maven, Spring Boot, Git, Node.js, x86-64 Assembly
Personal Portfolio: https://pranavhariharane.com
Certifications: Stanford NLP with Deep Learning, Oracle Java SE 8 Programmer
Relevant CS Coursework: Data Structures and Algorithms (Java) | Analysis of Algorithms | Programming in C | Python Programming | Problem Solving and Object-Oriented Programming (Java) | Information Systems (SQL, MongoDB, Neo4j) | Computer Networks (Python) | Systems Programming (C) | Computer Security (C, x86-64 Assembly) | Operating Systems (C, x86-64 Assembly)
Relevant DS Coursework: Data Mining and Machine Learning (Python) | Neural Networks and Deep Learning (Python) | Natural Language Processing (Python) | Large Scale Data Analytics (Python, SQL) | Introduction to Artificial Intelligence (Python) | Statistics for Data Science (R) | Statistical Theory | Introduction to Relational Database Systems (SQL, Java)