Hari Vilas Panjwani

📞 +1 (857) 405 8497 ✉ panjwani.ha@northeastern.edu 💼 linkedin.com/in/harivilasp/ 🌐 harivilasp.github.io ⚙ github

EDUCATION

Northeastern University | Master of Science in Computer Science | GPA: 4.0 *Sep 2022 - May 2024*
Courses - Distributed Systems, Large Scale Data Processing, Cloud Computing, Software Engineering
Graduate Teaching Assistant CS 6200 Information Retrieval *Boston, MA*

Vellore Institute of Technology | B.Tech in Computer Science and Engineering | GPA: 9.08/10 *Jul 2018 - Apr 2022*

TECHNICAL SKILLS

Languages	Python, Java, C++, C, JavaScript, SQL, Go, Typescript, C#/.NET
Frameworks	Node.js, ReactJS, Hadoop, Elastic Search, Spark, Angular, Spring MVC
Development & Database	MySQL, Oracle DB, MongoDB, HTML, CSS, Flask, Android, IOS
Functional Skills	Software Development, Cloud Native Development, Backend Development, GenAI
Cloud & DevOps	Docker, Kubernetes, Git, AWS, Azure, Redis, RabbitMQ, Kafka

EXPERIENCE

Amazon | *Software Engineer* **May 2023 - Nov 2023**
Guice, Spring MVC, AngularJS, TypeScript, Java, JavaScript, AWS *Seattle, WA*
- Revitalized legacy feedback interfaces, achieving a **10% reduction in abandonment rates**
- Enhanced seller feedback experience by redesigning microservices and Java REST APIs, cutting latency by 90% and boosting **positive responses by 30%**.
- Established a scalable distributed service, expanding globally to **22+ locales**, leveraging A/B testing and the AWS Cloud.

DHL | *Software Engineer* **Feb 2022 - Mar 2022**
Data Science, PyTorch, Data Analysis, Data Engineering, Machine Learning, Kubeflow, MLFlow, and Airflow *Chennai, India*
- Achieved **95% reduction** in false positives for fraud shipment detection, preventing significant losses by implementing supervised ML models with iterative experimentation and statistical analysis.
- Boosted pipeline **efficiency by 30%** utilizing of MLFlow, and Airflow to design and optimize ML and data pipelines.
- Contributed to the creation of robust monitoring and logging systems, for continuous evaluation of model performance.

PROJECTS

Distributed Key Value Store | *Distributed Systems, Java, UDP, TCP, Triggers, Multithreading, Socket Programming*
- Supported **UDP and TCP** communication protocols, allowing seamless scalable distributed client-server interaction with a 98% success rate.
- Utilized hash map, for efficient retrieval throughput up to **10,000** key-value pairs with an average **latency of 5 ms**.

Video Interview Analysis | *React, Flask, MongoDB, PyTorch*
- Built an end-to-end hiring solution that automatically prioritizes candidates based on resume job description similarity and candidate video analysis, resulting in a **30% reduction** in hiring workload and a **20% improvement** in candidate personalized feedback loops.
- Provided analysis of communication skills with metrics like speech speed, filler words and pauses.

Explore Eats - Try Nearby Restaurants | *Node.js, React, MongoDB, Express, API, Redux, JWT*
- Developed a web application using MERN stack for exploring and booking reservations at nearby registered restaurants.
- Implemented a follow feature to allow users to save their liked restaurants and receive updates on new menus, events, and promotions. Increased user **engagement by 30%** through the implementation of the follow feature.
- Boosted **application traffic by 20%** through integration with Google Maps API for searching and viewing restaurant profiles.

Stock Simulator | *Java, MVC, OOPS Design Patterns*
- Designed and developed stock market simulation with real-time prices using AlphaVantage API, facilitating learning, and experimenting with the market by creating portfolios, trading, and applying strategies adhering to SOLID Principles.
- Visualized performance of the portfolio over time on basis of the trades and also overall achieved **97% test coverage**.

AWARDS AND RECOGNITION

- Presented a paper titled "Face recognition with mask using MTCNN and FaceNet" at ICRTAC - 2020 Conference.
- Presented a paper titled "Candidate Prioritization using Automated Behavioral Interview" at IRCICD - 2022 Conference.
- 1st Prize in a AI hackathon with a project that helped police in stolen car and criminal face detection.
- Organized community events promoting healthcare services and blood/organ donation at VIT for the well-being of the community.