

Hari Vilas Panjwani

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Education

Northeastern University, *Master in Computer Science (MScS)*, GPA : 4.0 Sep 2022 – Jul 2024 | Boston, MA
Courses: Full Stack Web Development, Object Oriented Design, Building Scalable Distributed Systems

Codepath, *Advanced Software Engineering* Jun 2022 – Aug 2022 | San Francisco, CA

Vellore Institute of Technology, Jul 2018 – May 2022 | Chennai, India
Bachelor in Computer Science & Engineering, GPA : 9.08/10
Courses: Large Scale Data Processing, Data Visualization, Natural Language Processing, Deep Learning, Machine Learning

Skills

Languages (Java, Python, JavaScript, C++, C, HTML/CSS, SQL, Go, Typescript, Scala),
Frameworks (React, Node.js, Flask, Django, Express, MapReduce, Hadoop, Elastic Search, Kibana, Spark, GraphQL, TensorFlow, PyTorch),
Development Technologies/Tools (Git, Postman, AWS (EC2, S3, RDS, ECR, Route53, IAM and more), MySQL, Docker, Kubernetes, GCP, Azure, Redis, RabbitMQ, Kafka, terraform, Databricks),
Functional Skills (Natural Language Research, Software Development, Data Science, Computer Vision)


Experience

Amazon, *Software Development Intern* May 2023 – Aug 2023 | Seattle, WA
• Boosted response rate by 30% through the comprehensive revamp of web page and email interfaces in the feedback system.
• Achieved a 20% increase in customer insights by implementing personalized feedback strategies on customer claims.


Northeastern University, *Graduate Teaching Assistant* Jan 2023 – Apr 2023 | Boston, United States
• Graded assignments, exams, and projects for over 80 students in CS 6200 Information Retrieval class, assisting the instructor.
• Led weekly review sessions and office hours to provide extra support to students, as well as offering feedback on their progress and performance in the course.


DHL IT Services, *Data Science Intern* Feb 2022 – Mar 2022 | Chennai, India
• Implemented supervised machine learning models that reduced false positives in fraud shipment detection by 95% and prevented losses.
• Collaborated with the data science team to create a new SQL database for parsed log data.
• Refactored the model training code into a modularized version, improving maintainability and enabling faster model updates.

Projects

Video Interview Analysis, *React, Flask, MongoDB* 
• 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.

Text based Search Engine, *Crawling, Indexing, Ranking, Elastic Search*
• Developed a text-based search engine from scratch utilizing Elastic Search and Kibana for data visualization.
• Implemented web crawler, parser, and inverted indexer to efficiently index web pages and build a search database.
• Conducted link analysis and PageRank algorithm to enhance search results and engine performance.

Stock Market 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.
• Deployed MVC architecture, using various design patterns like Factory, Singleton, etc. adhering to SOLID Principles and delivering in iterations on a bi-weekly basis with agile and test-driven development.
• Visualized performance of the portfolio over time on basis of the trades and also overall achieved 97% test coverage.

Phishing Attack Detection using Chrome Extension, *JavaScript* 
• Safeguarded users from phishing attacks and reduced risk by 50%.
• Implemented research paper, i.e. rules for identifying Phishing web page/URL and packaged into Chrome extension with 90% true positive rate.

Awards & Recognition

- Presented "**Face recognition with mask using MTCNN and FaceNet**" paper in ICRTAC - 2020 Conference.
- Presented "**Candidate Prioritization using Automated Behavioural Interview**" paper in IRCICD - 2022 Conference.