Deep Vora

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Professional Summary

 A keen analytical developer with a Master's in Computer Science strong problem-solving skills, and a talent for building robust, extensible, maintainable systems, with the ability to work through ambiguity and get stuff done.

Technical Skills

Languages: Java, C++, Python, SQL(PostgreSQL, MYSQL), JavaScript, C#, HTML, TailwindCSS, JSON, C, Angular JS, TypeScript, Bootstrap5, ADA.
Frameworks: J2EE, Spring Boot, Hibernate ASP.NET, Maven, Mapreduce, UNIX, React Js, Jenkins, Apache Spark, Hadoop, Next.js, ExpressJS, FastAPI.
DevOps, and API Tools: Redis, GIT, SCiKit, GitLab, CI/CD, Mock Ups, Unit Test, RDBMS, NoSQL, JSP, JDBC, Oauth, Apollo, GraphQL, Firebase.
Cloud & Security Tools: Docker, GCP, AWS Services, OWASP, Kubernetes, DataBricks, Slack, Responsive User Interfaces, Azure, CloudWatch, EC2.
Programming Concepts: MVC, OOP, Frontend Development, Data Structures, Communication Skills, UI UX Principles, SOAP, REST, Recommender Systems, Datadog, Cross Functional, Design Patterns, Troubleshooting Issues, Confluence, Data Science, Distributed System, SDLC, Agile, SaaS.

Certifications

• AWS Cloud Practitioner	*January 2024*
• AWS Technical Essentials	*January 2024*
• Docker Beginner Hands-On.	*August 2021*
• Git Essentials and GitHub Ninja	*August 2021*
• Application developer / UT Frameworks- JUnit, Mockito.	*August 2021*
• Learning Spring Boot.	*August 2021*
• Microsoft Technology Associate for Software Development Fundamentals	*March 2019*
• Microsoft Technology Associate for Security Fundamentals	*April 2018*

Experience

Bitwise Inc | *Software Development Engineer*   *February 2021 - August 2022*

- Enhanced **system reliability** and **fault tolerance** by designing and developing robust retry mechanisms across 50 **microservices** which led to a reduction of defects by 48%
- **Automated** data extraction, analysis, and purging for top financial service clients and banking systems; reduced manual labor by up to 85%
- Optimized **operational efficiency** by implementing batch processing jobs, resulting in significant **latency reduction**
- **Subject Matter Expert** (SME) for dispute management service, automation, and scaling systems
- Automated **integration testing** by delivering mock transaction and **validation systems**
- Maintained web applications by **troubleshooting** bugs, releasing **features**, and enhancing overall system functionality
- Trained and **mentored** new team members; Provided knowledge transfer (KT) sessions, conducted **code reviews**, and led training sessions.

Publications

• "Self-Driving Car Simulator" (ISSN 2394 - 7780)	*March 2022*
• "Digital Soil Fertility Analyzer" in Chhatrapati Vishwakarma Awards	*September 2018*

Education

• George Mason University, Fairfax, Virginia - M.S. in C.S.	*August 2022 - May 2024*
• Mumbai University, Maharashtra, India - B.S. in C.E.	*August 2016 - January 2021*

Projects

Online Book Retail Store | Node Js, UI, UX, Gestalt Principle, Contextual Enquiry, Iterative Design   *September 2023*
This Angular application uses **Javascript/ TypeScript** for a retail bookstore where users can **request** books and manage their profiles by adhering to Human-Computer Interaction (**HCI**) and User Interface (**UI**) design. Designed elegant user interfaces using technologies such as **Sass**, and **Tailwind CSS**. Experience with **vector manipulation** software like Figma was leveraged for UI/UX design. (Online Book Store)

Chronic Disease Prediction | Machine Learning, Random Forest, AdaBoost, PySpark, Map Reduce, Data Mining   *November 2023*
This project used advanced **machine learning** techniques, including **Random Forest** and **AdaBoost**, to analyze a comprehensive health dataset and identify chronic disease patterns across diverse **demographics**. Utilizing **PySpark** for **scalable data processing** and **MapReduce** for efficient **data mining**, it highlights machine learning, big data analytics, and health data analysis expertise. (Kaggle)

Monopoly Game | Javascript, ExpressJS, JWT Token, Bycrypt, SQL Server, SSL, Polling, NOSQL   *April 2023*
Javascript and **ExpressJS**-based web app with security features like password **hashing**, **SSL** (secure communication), **session** management, and protection against common web attacks like **XSS** (cross-site scripting) and **CORS** (cross-origin resource sharing).

Employee Car Management Website | Spring Boot, ThymeLeaf, Spring Security, H2 Db, REST, Microservices   *May 2021*
Developed a **Spring Boot** web application to manage company car assignments for employees, utilizing **Spring Security**, and the H2 in-memory database. Implemented **RESTful web services** and **microservices**, and deployed using cloud services (**AWS**). Demonstrated proficiency in **Docker**, **Kubernetes**, **Agile** methodologies, and integrated **front-end** components with **React** and **JavaScript**. (May 2021)