

Harsimran Singh Dhillon

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EDUCATION

Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science

Master of Science in Computer Science | **Cumulative GPA:** 3.81/4.00

Expected Dec 2024

Relevant Coursework: Design Patterns, Operating Systems, Database Systems, Design & Analysis of Algorithms, Distributed Systems, Systems Programming, Principles of Programming Languages

Savitribai Phule Pune University

Bachelor of Engineering in Computer Engineering | **Cumulative GPA:** 3.64/4.00

August 2017 - May 2021

Relevant Coursework: Data Structures & Algorithms, Object Oriented Programming, Advanced Data Structures, Database Management Systems, Software Engineering & Project Management, Software Testing & QA, High Performance Computing

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, C++, C#, .NET Framework, TypeScript, Angular.js, HTML5, CSS3

Frontend/Backend: ReactJS, React Native, Flutter, Figma, Django, Flask, Spring Boot, Selenium, RESTful APIs, Groovy

Database / Open-source: SQL, MongoDB, MySQL, NoSQL, PostgreSQL, Splunk, PySpark, Linux, Cloudant

Cloud Native Technologies: Docker, Kubernetes, Kafka, Redis, Openshift, Amazon Web Services(AWS), Azure, IBM Cloud, GCP

Project Management and CI/CD: GitHub, Jenkins, Maven, JUnit, Jira, Scrum, Git, GitLab, Terraform

Certifications: Azure Fundamentals, Designing RESTful APIs, Build and Deploy Containerized Apps, Continuous Integration Tool

PROFESSIONAL EXPERIENCE

Geeks Solutions, DevOps and Networking Intern | **AWS, Azure, Amazon EC2** | *Nashik, India*

June 2024 - July 2024

- **Cross-Cloud Optimization:** Improved cross-cloud transaction response times by 40% by configuring and optimizing a VPN between AWS and Azure, enhancing the efficiency of financial applications
- **Client Collaboration:** Achieved 96% client satisfaction by identifying and resolving performance bottlenecks, designing and integrating secure, reliable system solutions
- **Problem-Solving & Automation:** Reduced network configuration setup time by 30% while maintaining high-security standards by automating routine processes

Bunchful, Web Developer Intern | **JavaScript, ReactJS, Confluence** | *New York, USA*

May 2024 - June 2024

- **Performance Optimization:** Enhanced page load times by 35% by migrating legacy web applications to ReactJS and creating reusable UI components, streamlining development processes across multiple projects
- **Team Collaboration:** Boosted overall team productivity by 72% through developing automation tools and enhancing communication workflows, directly supporting agile development practices

TIAA GBS, Analyst - Software Developer | **Java, Spring Boot, Docker, Jira, Jenkins, MySQL** | *Pune, India* *July 2021 - July 2023*

- **End-to-End Development:** Reduced manual efforts by 82% by delivering RESTful API solutions using Java and Spring Boot to automate business processes, increasing overall operational efficiency
- **Continuous Integration/Continuous Deployment (CI/CD):** Achieved 93%+ system uptime by implementing CI/CD pipelines using Jenkins, enabling frequent, high-quality software releases critical to the business
- **Microservices Implementation:** Reduced project timelines by 43% by leading the migration of a monolithic architecture to microservices using Apache Camel, improving system resilience for over 1000 users in a high-stakes financial environment
- **Technical Troubleshooting:** Ensured minimal downtime and maintained system reliability by resolving over 20 critical software issues in production across financial platforms

PROJECT EXPERIENCE

Animated Movies Data Analysis | *Java, MongoDB Spring Boot, React JS* | [[Project Link](#)]

February 2024 - April 2024

- **Backend Optimization:** Reduced backend processing times by 60% by designing a scalable backend using MongoDB and Java, optimizing data processing for datasets containing millions of records
- **Data-Driven Insights:** Improved system architecture and efficiency by 30% through designing real-time data visualizations for high-volume datasets, delivering actionable insights that informed strategic decisions

The Spice Tradition | *JavaScript, MySQL, Angular.js, Canva, Figma* | [[Project Link](#)]

December 2023 - February 2024

- **E-Commerce Platform Development:** Increased sales by 82% within the first month by designing and developing a mobile-friendly, scalable e-commerce platform, significantly enhancing the user experience
- **Team Collaboration:** Generated an additional \$2000 in monthly revenue and increased customer retention by 100% through close collaboration with design and marketing teams

RESEARCH EXPERIENCE

- Dhillon, H. S., & Garud, H. (2022). Machine Learning-Based Depression Classification Model. IJCRT Journal, 10(6), g339-g343. Retrieved from www.ijcrt.org [[Research Paper Link](#)]

VOLUNTEER EXPERIENCE

- Directed a promotional campaign that generated over 200 online registrations for AI Fest, doubling last year's metrics, and established feedback mechanisms to enhance future events