

Harsimran Singh Dhillon

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EDUCATION

Binghamton University, State University of New York

Binghamton, USA

Master of Science in Computer Science | **GPA: 3.81/4**

Expected May 2025

Relevant Coursework: *Design and Analysis of Algorithms, Computer Security, Operating Systems, Database Systems, Programming Languages*

Savitribai Phule Pune University

Pune, India

Bachelor of Engineering in Computer Engineering | **GPA: 3.64/4**

Aug 2017 - Jun 2021

Relevant Coursework: *Object Oriented Programming(OOPs), Design Patterns, Data Structures and Algorithms, Cloud Computing*

EXPERIENCE

Web Developer Intern

May 2024 - Present

Bunchful

New York, USA

- Migrated 2 major websites to the React framework, resulting in a **25% decrease** in page load times and improved user experience
- Introduced a web development checklist with an integrated scoring system, **boosting team efficiency by 40%**
- Utilized Google Analytics to **boost site navigation by 37%** through insightful metric analysis

Analyst - Software Developer

Jul 2021 - Jul 2023

TIAA GBS

Pune, India

- Implemented agile methodologies to streamline the 4-month API conversion project from Mule framework to Apache Camel, resulting in a **43% reduction in the overall project timeline**
- Resolved **20+ software bugs** within tight deadlines, maintaining a **93% uptime** and ensuring high user satisfaction
- Rectified application server crash issues in the production environment by **preserving 53% of memory** used, managed production issues and enhancements, and provided DevOps and **SDLC support for 4 applications**
- Spearheaded development of API solution, resulting in an **82% decrease in manual effort** and bolstering efficiency
- Actively participated in bi-weekly sprint planning meetings, contributing to the on-time delivery of project milestones

Software Engineer Intern

Jun 2020 - Jul 2020

Cognifront

India

- Assisted in the implementation of a CI/CD pipeline, **reducing deployment times by 40%** and enabling a faster release cycle
- Managed database optimization projects on MySQL platform, **reducing query response times by 25%**
- Crafted and upheld detailed technical documentation, **reducing onboarding time** for new team members **by 55%**

PROJECTS

Animated Movies Data Analysis | *Project Leader* | Binghamton, USA | [\[Link\]](#)

Feb 2024 - Apr 2024

- Led the execution of an extensive Movies Data Analysis Project, leveraging React.js, HTML/CSS for frontend, MongoDB for NoSQL database, and Spring Boot for backend, yielding impactful data-driven insights
- Utilized MongoDB to formulate and execute **5 non-trivial NoSQL queries**, extracting valuable insights from essential datasets
- Implemented performance optimizations resulting in a **73% reduction in query execution time**, enhancing the efficiency

The Spice Tradition | *Full Stack Developer* | Binghamton, USA | [\[Link\]](#)

Dec 2023 - Feb 2024

- Crafted a user-friendly e-commerce website for a startup, utilizing Figma, React, JavaScript, HTML5, CSS, and MongoDB, resulting in an **82% increase in online sales** within the first month of launch
- Collaborated with cross-functional teams to enhance user experience, resulting in a **100% increase in customer retention** rate and generating an additional **\$2000 in sales revenue**
- Redesigned brand logo using Canva to better align with strategic branding objectives, resulting in a **67% increase in brand recognition** and a **57% increase in customer engagement metrics**

TECHNICAL SKILLS

Backend & Web Development: *Java, Python, C, C#, C++, Angular, JavaScript, Vue.js, SQL, NoSQL, GraphQL, TypeScript*

Project Management: *Git(Version Control), Github, Gitlab, Docker, Kubernetes, Jenkins, Jira, Scrum, Terraform*

Frameworks & Tools: *Apache Camel, Spring Boot, Gradle, .NET Framework, Amazon Web Services (AWS), Microsoft Azure, MVC, Node.js, Postman, JUnit, Linux, Containerization, Microservices, Flask, Django, Selenium, Android Studio, JSON, Swift*

Certifications: *Designing RESTful APIs, Build and Deploy Containerized Apps, Continuous Integration: Tools*

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[\[Link\]](#)