

# 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

**DevOps and Networking Intern**

*June 2024 - July 2024*

*Geeks Solutions*

*Nashik, India*

- **Boosted cross-cloud communication by 63%** via site-to-site VPN between AWS and Azure, streamlining network operations and reducing latency
- **Achieved 96% client satisfaction** by ensuring secure, reliable connections and simplifying network management

**Web Developer Intern**

*May 2024 - June 2024*

*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

**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 the MySQL platform, **reducing query response times by 25%**

## 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 the 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:** *Azure Fundamentals, 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](http://www.ijcrt.org)[\[Link\]](#)