Harsimran Singh Dhillon

United States | +1(607)296-8536 | hdhillon@binghamton.edu | Linkedin.com/in/harsimransinghdhillon | Github | Portfolio

EDUCATION

Binghamton University, State University of New York   Binghamton, USA
Master of Science in Computer Science | **GPA: 3.81/4**   *Graduation Date: May 2025*

Savitribai Phule Pune University   Pune, India
Bachelor of Engineering in Computer Engineering | **GPA: 3.64/4**   *Aug 2017 - Jun 2021*

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 **35% decrease** in page load times and improved user experience
- Introduced a web development checklist with an integrated scoring system, **boosting team efficiency by 72%**
- Leveraged advanced tracking techniques with Google Analytics to measure user flow, uncovering insights that streamlined navigation and **improved site visibility by 79%**

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*
- Developed a streamlined CI/CD process that incorporated automated quality checks, **reducing deployment times by 85%**; this efficiency **allows for an average of 10 new feature releases** each month
- Managed database optimization projects on the MySQL platform, **reducing query response times by 63%**

PROJECTS

Animated Movies Data Analysis | *Project Leader* | *Binghamton, USA* | [Link]   *Feb 2024 - Apr 2024*
- Orchestrated the Movies Data Analysis Project with a focus on backend efficiency through Spring Boot and MongoDB; optimized data storage solutions, resulting in a **60% reduction in data retrieval time** for the team
- Engineered and executed 5 complex NoSQL queries in MongoDB, extracting key insights from datasets that informed strategic decisions and **saved data analysis time by over 45%**
- 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[Link]