

Harsimran Singh Dhillon

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EDUCATION

Binghamton University, State University of New York

Binghamton, USA

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

Graduation Date: December 2024

Savitribai Phule Pune University

Pune, India

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

August 2017 - June 2021

TECHNICAL SKILLS

Scripting Languages: Java, Python, C, C++, .NET, C#, JavaScript, TypeScript

Framework and Database: Git, GitHub, Jenkins, Jira, Terraform, SQL, NoSQL, GraphQL, PostgreSQL, VueJS, Apache Camel, Spring Boot, MVC, NodeJS, Nginx, Django, Flask, Linux, Microservices, JUnit, Selenium, Postman, Splunk, Power BI

Cloud Technologies: Docker, Kubernetes, Containerization, Red Hat Openshift, Amazon Web Services, Microsoft Azure

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

PROFESSIONAL EXPERIENCE

DevOps and Networking Intern

June 2024 - July 2024

Geeks Solutions

Nashik, India

- Configured an **optimized VPN link between AWS and Azure** that streamlined cross-cloud interactions for **more than 10,000 daily financial transactions**; enhanced application **response times by 40%** and user experience across platforms
- **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

July 2021 - July 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 in Java, resulting in an **82% decrease in manual effort** and bolstering efficiency

PROJECT EXPERIENCE

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

February 2024 - April 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 | [\[Project Link\]](#)

December 2023 - February 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**

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 [\[Research Paper Link\]](#)

VOLUNTEERING EXPERIENCE

- Volunteered in community service by coordinating and **serving meals to over 50 individuals weekly** in Endicott, USA
- 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
- **Coordinated fundraising campaigns with 15 volunteers** in Nashik, implementing targeted outreach that **raised 700,000 INR**, directly **improving educational access for over 330 disadvantaged students**