Gurvir Singh

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EDUCATION

Honours Bachelor of Computer Science *Graduation Dec. 2024*
Trent University (Oshawa, ON) - 91.85% GPA; President's Honour Roll; Dean's Honour Roll

Ontario Advanced Diploma in Software Engineering Technology (Co-op) *Jan. 2020 – Dec. 2022*
Centennial College (Scarborough, ON) - 4.3/4.5 GPA - High Honours

WORK EXPERIENCE

Media Software Developer (Co-op/Internship) *Sep. – Dec. 2021 & May – Aug. 2022 & May - Aug. 2023*
Pearson Canada (Toronto, ON)

- Contributed to the design, development, and optimization of web applications using HTML, CSS, JavaScript, and Node.js to enhance bug tracking and validation for digital assets.
- Collaborated in Agile/SCRUM teams to develop and maintain features for higher education products, driving improvements in functionality and user experience.
- Conducted rigorous QA testing, identifying and resolving bugs in over 50 Higher Ed titles with tools like Jira, Bitbucket, and custom scripts.
- Worked closely with cross-functional teams to ensure accessibility standards were integrated into digital content, aligning with best practices for inclusivity and user experience.

IT Help-Desk Support (Co-op) *Jan. 2021 – Apr. 2021*
Centennial College (Scarborough, ON)

- Provided technical support and resolved help desk tickets, ensuring smooth operation of computer systems.
- Installed, configured, and maintained software, conducting regular inspections and updates to IT assets.

SKILLS

Programming: Python, C#, JavaScript, Java, SQL
Web & Database: HTML, CSS, SQL Server, NoSQL, MongoDB, Node.js, ASP.NET, React, Angular
Tools: Visual Studio, Power BI, Tableau, Postman, Selenium, Jenkins, Confluence, SharePoint
DevOps & Cloud: AWS, Azure, Docker, CI/CD Pipelines, Kubernetes, Git, GitHub, Jira, Bitbucket
Practices: Agile (Scrum), Test Automation, Unit Testing, Configuration Management, API Integration, RESTful APIs

PROJECTS ([Portfolio](#))

Movie Planet (Web API Project) - Designed and implemented scalable .NET web APIs with microservice architecture using AWS RDS and Docker. Built an intuitive ASP.NET MVC application to manage CRUD operations for a movie dataset. Deployed the platform on AWS Elastic Beanstalk, enabling user interactions, including downloading trailers and rating movies.

LiteGram (Social Media Platform) – Built a cloud-based social media platform using React, Firebase, and AWS for scalable backend integration and real-time data storage. Applied Agile principles to deliver a user-centric product, ensuring smooth cloud-based interactions like posts, comments, and likes. Focused on the cloud security of user data and optimized performance through efficient cloud resource management.

Toronto Bicycles Theft (Predictive Analytical Model) – Performed data cleaning and analysis on the Toronto Bicycles Theft dataset through Python packages (pandas, NumPy etc.). Built Logistic Regression and Decision Tree models along with evaluation through Confusion Matrix and ROC curves. Used Flask to create API for model and tested it through Postman.