

Yash Roushan

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EDUCATION

Bachelor of Computer Science

Dalhousie University

08/2022 – 08/2026

Halifax, NS

SKILLS

Programming Languages: C#, JavaScript, HTML5, CSS3, PHP, SQL, Python, Java, MERN Stack, C

Frameworks: ASP.Net Core, jQuery, ReactJS, AngularJS, ExpressJS, NodeJS, MongoDB

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Testing and QA: Unit Testing, Test-Driven Development (TDD), xUnit, NUnit, MSTest

Mobile Development: Kotlin, Swift

Analytical Tools: PowerBI, Tableau, Excel, PowerShell, SQL Server, Oracle, financial analysis, Microsoft Office, Pivot Tables, Analytical Skills, Innovative Thinking, Strong Communication

Soft skills: Leadership, team collaboration, Scrum, effective communication, adaptability, project management, problem-solving, relationship-building, enthusiasm, flexibility

Certifications: MERN Stack, Data Structures and Algorithms

EXPERIENCE

IT Helpdesk Assistant (*AI Chatbot, FastAPI, SQL, SSH, Automation*)

Dalhousie University

01/2025 – Present

Halifax, NS

- Provided **frontline technical support**, troubleshooting network, software, and hardware issues for students and faculty, ensuring efficient IT operations.
- Developed and deployed an **AI chatbot** using **Ollama, FastAPI** to automate IT support queries, integrating Dalhousie-specific knowledge for common issues like password resets and Wi-Fi access.
- Designed a knowledge base with structured **prompt-response** pairs for IT-related inquiries, improving response time and reducing manual workload.
- Configured **secure SSH access** via Terminus for remote troubleshooting and internal system management, streamlining IT support processes.
- Automated **email and Telegram notifications** for IT announcements, enhancing communication efficiency and reducing response delays.

Data Analyst Intern (*Python, MySQL, GitHub, JavaScript*)

Dresma

12/2021 – 08/2022

Delhi, India

- Led **data-driven initiatives** using Python and MySQL, enhancing data recognition accuracy by 10% across sectors like eCommerce, Automotive, and Food, ensuring effective solutions for business needs.
- Collaborated with interns in an **Agile environment** to streamline **data categorization** processes, improving overall data accuracy and application performance by 20%, contributing to team efficiency.
- Used GitHub for version control, managing **technical documentation** and ensuring efficient team collaboration, reducing conflicts in code deployment and improving delivery timelines by 15%.

PROJECT EXPERIENCE

Junior Software Developer (*Database, CSS, React, Node, JavaScript*)

Developing Chess Website (Dalchess)

04/2024 – 08/2024

Halifax, NS

- Designed and developed new features using **React** and **Node JS** to improve user experience, including dynamic search and filter functionality, boosting user engagement by 40%.
- Integrated **CRM** functionalities to track user interactions, manage tournament registrations, and optimize customer engagement workflows.
- Debugged API code for tournament management forms, increasing data entry accuracy by 50%.
- Created technical documentation for the deployment and support of the web application.

Full Stack Developer (*CSS, React, Node, Express, MongoDB*)

Jobify - Track Your Job Search

08/2023 – 12/2023

Remote

- Developed a **MERN-stack** application to streamline job search processes, increasing user engagement by 50% through improved **UI/UX** and CRUD operations.
- Integrated **cloud services** and API calls to handle real-time data, enhancing application scalability and performance, Deployed the application online using Render, providing global accessibility with 100 API calls.