Rudra Bhatt

✉ r37bhatt@uwaterloo.ca 📞 647-553-6720 in RudraBhatt ⌗ Rudrabhatt12

Experience

AI Software Developer – Outlier AI Solutions

Scarborough, ON
sept 2023 – Present

- Developed and deployed machine learning models to optimize user experience and predict customer needs, reducing churn by **15%**
- Enhanced model accuracy by **20%** using advanced deep learning techniques and data preprocessing strategies.
- Collaborated in an Agile team to implement AI-driven features that boosted engagement by **25%**, contributing to customer satisfaction.

Software Engineer Intern – School Website Development

Scarborough, ON
Sept 2022 – June 2024

- Designed and implemented a user-friendly school website, improving navigation and layout; collaborated with a team to reduce user click-through rates by **20%** .
- Developed a responsive website using HTML, CSS, and JavaScript, optimized over **15** responsive web pages to ensure smooth performance; reduced load times by **30%** .
- Conducted integration of CMS and backend functionality, resolving **95%** of pre-launch issues through rigorous testing, contributing to a successful launch within a 3-month timeline.

Software Engineering Project Lead – Hackathon (Hack the Valley)

Scarborough, ON
June 2023 – June 2023

- Led a team to develop "SpaceRudra," a unique twist on a classic game with AI-enhanced gameplay using Java, achieving runner-up in the event.
- Improved debugging skills and optimized game performance; gained experience with project management and team collaboration in a high-pressure environment.
- Networked with industry mentors, gaining exposure to new frameworks and tools for future software development projects.

Software Engineering Club, President

Scarborough, ON
Sept 2023 – June 2024

- Led a team to organize and host coding workshops for over 50 participants, teaching programming languages such as Python and Java; increased club membership by **25%** with hands-on sessions.
- Collaborated with club members to develop solutions, for tech competitions, placing in the **top 3** in a regional coding challenge.
- Spearheaded initiatives to introduce emerging technologies, such as AI and data science, increasing participation by 40% in advanced coding workshops through equipment acquisition.

Education

BS   **University of Waterloo**, Bachelor of Mathematics in Mathematics

Sept 2024

- **Coursework:** Data Structures, Algorithms, Software Engineering, Deep Learning, Calculus

Projects

Website presentation

- Developed a responsive aerospace-themed website using HTML, CSS, and JavaScript to provide industry insights, job listings, and educational resources.
- Tools Used: HTML, CSS, Java Script

Interactive Adventure Story
- Created a text-based adventure story in Python featuring dynamic choices and multiple outcomes; demonstrated programming and problem-solving skills through user-driven storylines.
- Tools Used: Python

Chat bot (in progress)   2002
- Currently developing an small chat bot using Python for enhanced user communication and real-world problem-solving; improving user engagement with it and communication.
- Tools Used: python

Technologies

Languages: Proficient in Python, Java; Intermediate in C++, Racket

Frameworks & Tools: TensorFlow, PyTorch, AWS, GCP, Docker, Kubernetes, .NET

Development Environments: VS Code, DR. Racket, Replit

Additional Skills

Leadership: Led teams in various roles, including club executive and hackathon project lead.

Project Management: Skilled in Agile methodologies and team collaboration.

Problem Solving: Experienced in debugging, optimization, and innovative solution development.