Hrishi Shah

Edmonton, Alberta

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EDUCATION

University of Alberta

Edmonton, Alberta

B.S. in Computer Science

Expected Graduation, December 2024

- o GPA: 3.5/4.00, Dean's List
- o **Related Coursework:** Data Structures & Algorithms, Objects & Design, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics, NLP, programming methodology, Software engineering

EXPERIENCE

Headstarter

Software Engineer Fellow

REMOTE

July 2024 - Aug 2024

- Developed 5+ Al apps & API's using NextJS, OpenAl, with a 95% accuracy used by 1000+ users.
 - Led a team to projects from scratch following SCRUM and other agile practices and using MVC design patterns.
 - Coached by Senior engineers from Bloomberg, Microsoft and Amazon.

University of Alberta

Edmonton, Alberta Jan 2024 – May 2024

Undergraduate Computing Science Teaching Assistant
Created the most optimal assignments for students based on current course topics and difficulty.

- Achieved a 5/5 rating of 85% from the class who participated in the survey.
- Made sure that the highest standards of academic integrity were upheld such as plagiarism and cheating.

Aro Robotics

Edmonton, Alberta

Sep 2023 - Jan 2024

- Software Engineering Team Lead Intern
 - Led a team in efficiently completing complex projects through strong leadership and coordination.
 - Developed physical sensors in order to capture data using Arduino saving the company \$4000 a month
 - Developed advanced algorithms for real-time analysis of sensor data, enhancing system responsiveness.
 - Collaborated with cross-functional teams to streamline processes and implement continuous integration using multiple programming languages and frameworks, such as C, HTML, CSS, JavaScript, Python, and Django.

Aro Robotics Edmonton, Alberta

Dev-Ops Engineer Intern

May 2023 - Sep 2023

- Developed and maintained a responsive company website, integrating third-party APIs for enhanced functionality.
- Automated software deployment processes, reducing delivery times by 70% thus improving efficiency.
- Enhanced system architecture using containerization, leading to improved application performance.
- Leveraged a wide range of technologies including HTML, CSS, JavaScript, .NET, and DigitalOcean for project success.

PROJECTS

Shakespeare Bot

- Developed a Recurrent Neural Network (RNN) model using Keras to generate poetry, trained exclusively on the 'shakespeare.txt' dataset from TensorFlow, mastering the distinctive style of Shakespearean text.
- Achieved an 89.13% accuracy with the model, consistently generating words and phrases that adhere flawlessly to the training data's text style.

Brain Tumor Detector

- Designed and developed a CNN using Keras and TensorFlow to classify MRI scans into a tumor or no tumor category. Then optimized the model with multiple pooling layers to efficiently extract features from MRI scans
- Enhanced the CNN model's accuracy by 86.12% by implementing preprocessing, data splitting, and overfitting prevention techniques in medical image analysis.

ACTIVITIES AND LEADERSHIP

Competitive Programming Club Artificial Intelligence Club

Edmonton, Alberta Edmonton, Alberta

SKILLS

Programming: Java, Python, JavaScript, HTML/CSS, SQL, Node.js, React.js, MATLAB, C++, C, C#

Tools: Android Studio, IntelliJ, PyCharm, Eclipse, AWS, Jupyter Notebooks, Git, Figma, Tableau, Digital Ocean, Arduino, Excel, Linux