Devansh Singh

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Personal Profile

Enrolled in level 3 of the 4-year Honors Computer Science Co-op program at McMaster University .
Interests in algorithms, and machine learning , established strong programming skills in Python with course work and project work

Education

Bachelor of Applied Science, Honours Computer Science

McMaster University , Hamilton, ON   *Sept 2022 - April 2027 (projected)*

- Awarded the McMaster Award of Excellence for achieving an average over 97 %
- Current cumulative GPA —> 3.925 [4 point scale]
- Relevant courses: Object Oriented Programming , Software Design using Web Programming , Data Structure and Algorithms , Databases

Projects

Language Translator

Grade Received : - 100%   *Dec 2022 - Jan 2023*

- Created a Language Translator using IBM watson API and python , translator right now is set to convert from French to English and vice versa
- Made the web application using Flask also did Unit testing on the Python code and created a Python package , this project was a part of a project based Coursera course namely Python Project for AI and Application Development by IBM
- **Technical Skills:** Python, Flask, Web Application , Web Services API , Unit testing
- **Fields covered:** Artificial Intelligence (AI) , Application development

Portfolio Website

Self Project   *July 2023*

- A Portfolio Website made using HTML,CSS,JS , etc .
- This is my personal project to showcase my skills in the field of web development and talk more about my passion for computing and also includes easy to use forms to contact me . [Click on the heading to go to the website.]
- **Technical Skills:** HTML , CSS , JavaScript , React , Node.js
- **Fields covered:** Web Development

Chess Prediction Model

Self Project   *Jun 2024 - Aug 2024*

- Developed a chess game outcome prediction model using historical data from chess.com archives.
- Implemented a Flask API backend and a React/Typescript frontend website to interact with the prediction models.
- Integrated four different predictive models to analyze and predict the outcomes for eight chess players.
- **Technical Skills:** Python, Flask, React, Typescript, Scikit-learn, API.
- **Fields covered:** Machine learning, web development, data analysis, Flask API, React.

Work Experience

Digitize Solutions   *Haryana , India*

Junior Web Developer , Software Tester   *May 2024 - Jul 2024, May 2023 - Jul 2023*

- Collaborated with senior developers and clients to create websites based on provided designs
- Developed front-end web pages using the React framework
- Identified and documented software bugs and discrepancies
- Conducted thorough regression testing to ensure compliance with project requirements
- Created and executed comprehensive test cases for web applications

Computer Science Society

Academic Executive   *Jan 2023 - Present*

- Member of the Academic team responsible for organising and managing Review/Study sessions for students and providing academic help to students .

Skills

Proficient Languages :	Python (Pandas , NumPy, Scikit-learn) , Java , C , C++ , SQL
Miscellaneous :	HTML , CSS , Tailwind , JavaScript , React , Node.js , TypeScript , Linux, Shell (Bash/Zsh), LaTeX, Microsoft Office , Git , GitHub , REST API , Elm , Haskell.
Soft Skills :	Time Management, Teamwork, Problem-solving, Scrum, Agile Methodologies, DevOps