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Faraz Naseem

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EDUCATION

University Of Windsor	Windsor, ON	September 2019 – May 2023 (Expected)

- **BSC. in Computer Science, GPA: 3.5 (88/100)**
- **Coursework:** Data Structures and Algorithms, Object Oriented Programming In Java, Object Oriented Software Analysis and Design, Database Management Systems, Systems Programming

EXPERIENCE

Back End Developer Intern	Analyticly Solutions	May 2021 - August 2021

- Maintain existing Microsoft Azure services (DevOps pipelines, PostgreSQL, CosmosDB, Function Apps).
- Integration of REST API endpoints using Flask.
- Convert existing machine learning models in TensorFlow 1.0 to TensorFlow 2.0.

Software Engineer Intern	RIIS LLC	January 2021 - PRESENT

- Integrated Python, Tensorflow, Keras, and the Hive API in Google Colab to increase the accuracy of a Machine Learning image detection algorithm from 73% to 93%.
- Utilized Roboflow.com to annotate more than 16000 sheep images across 700 files to train, validate, and test the Machine Learning algorithm.
- Integrated Java Web Services application with local MySQL Environment, and connected application with ETA Detroit android app to view public transportation time and dates in the Detroit Metropolitan Area.

Research Assistant	University Of Windsor	September 2020 - December 2020

- Led development in the creation of an interactive notebook for Dr. Yufeng Tong's Bio-Informatics course using: Python, Jupyter Notebook, BioPython, and NGLView.
- Utilized Protein Data Bank API in BioPython, to create protein images with 94% accuracy.
- Optimized the file-paths for protein structures, which resulted in the rendering time being reduced by 10%.

Teaching Assistant	University Of Windsor	May 2020 - Present

- Courses: Introduction To The Internet (Summer 2020), Programming In Python (Fall 2020), Computer Architecture: Digital Design (Winter 2021)
- Marking more than 20 labs and lectures on a weekly basis, and providing suggestions to students on how they can improve their marks

SKILLS

- **Languages:** Python, Java, C, C++, JavaScript, HTML, CSS, SQL, XML, Bash
- **Libraries And Frameworks:** Django, Flask, Tensorflow, Pytorch, Keras, pandas, Node.js
- **Databases:** MySQL, PostgreSQL, Oracle SQL Server
- **Developer Tools:** Git, Microsoft Azure, Linux, Unix, Windows, Eclipse, VS Code, Jupyter Notebook, Android Studio

SIDE PROJECTS

myschoolgrades.com: Developed a web application with Django, HTML, CSS, and JavaScript allowing registered users to add, remove, or modify grades of courses. Stored users login credentials and grades in MySQL database, and used Namecheap CPanel to host website.

Dow-Jones Developed a Graphical User Interface in Python using Tkinter, and plotted the data for companies in the Dow Jones using matplotlib. Collected stock price data using the Yahoo Finance API, stored data in Excel File, and converted data to price-time format using Pandas and Numpy.

AWARDS AND ACCOMPLISHMENTS

- **WinHacks 2021: Totally Not Twitter Award** Created login and registration page using: NodeJS, ExpressJS, ReactJS, and MongoDB to win first place in the Totally Not Twitter category for WinHacks 2021.
- **2019-2020 Dean's Honour Roll** Received an average of 89% during freshman year.
- **2019 ACM ICPC Local Contest** Received third place in the 2019 ACM ICPC Contest and qualified for regional cometition.
- **2020 Google Code Jam** Received second place in the Windsor Region for Google Code Jam by accumulating more than 10,000,000 points.