NISHITA ACHARYA

acharyanishita@gmail.com

(416) 450 2609

Toronto, Ontario

linkedin.com/in/nishita-acharya/

nishitaaa.github.io/

github.com/nishitaaa

EDUCATION

RYERSON UNIVERSITY

Bachelor of Science (B.Sc) Computer Science (Apr 2020)

Relevant Coursework

- Database Systems I
- Algorithms
- Artificial Intelligence I
- Communication in the Computer Industry
- Data Structures and Algorithms
- Software Engineering I
- Software Project Management

Awards & Honors

- 2019-2020 Dean's List

SKILLS

Soft Skills

Problem-solving / Time-management / Detail-oriented / Quick-learner / Collaborative

Programming Languages

Python / SQL / Java / Visual Basic / JavaScript / PHP / PROLOG / HTML5 / CSS

Database & Data Science Libraries

MongoDB / MySQL / Pandas / NumPy / Scikit-learn

Tools & Others

QGIS / Tableau / Microsoft Power BI / Jupyter Notebook / Microsoft Excel / Asana / Asset Suite 7 / Oracle SQL Developer / Microsoft SQL Server / GitHub / Git / Eclipse

WORK EXPERIENCE

DATA ANALYST AND REPORT SPECIALIST

Heliolytics – October 2020–Present

- Managed 6 client portfolios and successfully took them from their initial requirements to final deliverables in a time-efficient manner
- Integrated QGIS and Python to digitize and analyze client assets
- Helped in finding $10,000 in savings for the clients by providing potential recommendations to improve solar efficiency
- Analyzed clients field imagery data in the in-house software and presented valuable insights using Power BI
- Automated report generation and data processes through Python and SQL to reduce processing time by 3 hours in total

WEB DEVELOPER

Women in Computer Science – Ryerson University / September 2019–April 2020

- Collaborated with the team's executives to gather requirements and created and maintained a functional website
- Successfully achieved monthly development iterations of the club's website using HTML5, CSS, JavaScript

DATA SCIENCE ANALYST, CO-OP

Ontario Power Generation / September 2018–April 2019

- Analyzed large datasets in excel by using advanced formulas and improved the operation of existing databases
- Tracked performance metrics, prepared reports using pivot tables, and presented to senior executives on a quarterly basis to improve strategies and operations
- Used excel sheet and CSV files to generate Tableau ad-hoc reports
- As a single point of contact, resolved user issues and expedited deliveries
- Took a product from user requirements and created material requests via Asset Suite 7 and ensured timely delivery

PROJECTS

Heart Disease Prediction

- Using python-based libraries, implemented a machine learning model capable of predicting whether or not someone has heart disease based on their medical attributes
- Trained, tested, and compared dataset using the 3 different machine learning models: Logistic Regression, K-Nearest Neighbours Classifier, and Random Forest Classifier
- **Tools:** Jupyter Notebook, Pandas, Matplotlib, NumPy and Scikit-Learn

MOVIE AND MUSIC STORE DBMS

- Created a UNIX based database system that allows users to insert, retrieve, and remove tables for movies and songs. Admins can also keep track of the items purchased and/or rented by users
- **Tools:** SQL, Oracle, and UNIX

YELPCAMP

- Implemented a full-stack website which allows users to register and login and create, view, edit, and delete campgrounds
- User can review, like, comment on a campground as well as, view their user profile
- **Tools:** VanillaJS, MongoDB, NodeJS, ExpressJS, Bootstrap, and PassportJS

ART GALLERY

- In a collaboration, implemented a virtual art store which retrieves data from a MySQL database through PHP and displays information about various artists, museums, and artworks
- Built a search and maintain mode feature that allows users to perform CRUD operations using the provided interface on the application
- Successfully took a system from initial user requirements to the final product using software project management skills and knowledge of software development lifecycle
- **Tools:** PHP, MySQL, HTML5, and CSS