

WORK EXPERIENCE

Teacher Assistant, George Brown College, Toronto

2019 - Present [Part Time on a Contract]

- Assist students in Python lab class of the fourth semester and Web Fundamental lab class of the first semester, when they are not able to follow up with the professor. The lab class has a professor, a TA, and 60 students.
- Operate kiosks and assist students from the Computer Programming and Analysis Program. An avg. number of students assisted in a 2 hour-session is 6.

Student Monitor, George Brown College, Toronto

2018 – Present [Part Time on a Contract]

- Work as a technical resource to support students and library end-users addressing their technical issues such as software installation, uses of various college web apps, printing, and student account/email login/password.
- Assist 5-10 students in an hour.

Web Developer, Agile IT Solutions, Nepal

2010-2015[In-office led to Remote Work]

- Created and modified registration modules, clinical modules, and patient appointments, scheduling and confirmation forms using C# and JavaScript.
- Designed and developed schemas using MySQL.
- Prepared test plan and created test automation for data test (stored procedure).
- Tested the system rigorously to make smooth registration and handled the real-time registration errors quickly.
- Used Jenkins for the continuous build and continuous deployment of websites to multiple servers.

Computer Instructor, BMEM Secondary School, Nepal

2004 -2010

- Taught QBasic and MS office – both theory and lab classes.
- There were 6 classes of 40 students each in a day for 6 days a week.

EDUCATION

George Brown College, Toronto

- **Computer Programming and Analysis Program, 2020 (exp.)**

(Three-year Advanced Diploma. To be graduated in April 2020.)

Courses: AI with Python, Machine Learning with Python, Data Structures and Algorithms, Advanced OOP using C#, Advanced Database Development (Oracle SQL and MySQL), Full Stack Web Development (MEAN and MERN), System Analysis, Design and Testing, Mobile App Development(Android and IOS), Web App Development(Java and ASP.NET) and DevOps

- **Analytics for Business Decision Making, 2016**

(One -year post-grad certification)

Courses: Statistics for Analytics, Data Mining and Modeling, Business Metrics, Advanced Computer Applications Involving Analytics (MS Access and Excel), Business Decision - Making Through Advanced Analytics (SAS and Tableau)

TECHNICAL SKILLS

- Solid understanding of OOP and functional design in Python, C#, and Java.
- Strong understanding of statistical analysis, data analysis and visualization tools – NumPy, Pandas, Seaborn, Matplotlib and Tableau.
- Knowledge of data structures and algorithms – arrays, linked lists, heaps, stacks, hashing, BST and graphs.
- Basic understanding of AI, ML, and DL using Python – Scikit Learn, Keras, and TensorFlow.
- Good understanding of RDBMSs (design and query) – MS SQL Server, Oracle SQL, MySQL, and NoSQL database MongoDB.
- Building RESTful APIs and web services and creating backend reporting interfaces using node.js and express.
- Basic understating of building Android and IOS mobile app.
- Basic understanding of Cloud computing – ZEIT and AWS, Travis. lifecycle phases, GitHub and Docker.
- Familiarity with all phases of the software development life cycle.

SOFT SKILLS

- Strong sense of professionalism and enthusiasm, & the ability to multi-task.
- An attitude for problem-solving and analytical skills.
- Strong communication skills and the ability to learn new techs quickly.

CERTIFICATIONS

- **Microsoft Education**
MSCA-461: Querying MS SQL Server
MSCA-462: Administering MS SQL Server
- **CFA Institute, USA**
CFA Level II Grad, 2013
- **A to Z Education, Nepal**
Computer Programmer Training, 2003

GITHUB LINK FOR PROJECTS

https://github.com/Dharam609/projects_dharam