

Deep Muni

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EDUCATION

Master of Applied Computer Science

September 2019 – April 2021

Dalhousie University, Halifax, Canada (GPA: 3.86)

Bachelor of Engineering in Information Technology

August 2012 – July 2016

K.J. Somaiya College of Engineering, Mumbai, India (GPA: 3.33)

SKILLS

Programming Languages	Java, Python, C, C++, PHP
Web Development	Angular, React, JavaScript, Node JS, HTML5, CSS3, Material UI, Bootstrap
Databases & Tools	MongoDB, MySQL, PostgreSQL, MySQL Workbench, MongoDB Compass
Cloud	Google (GCP), Amazon (AWS), Microsoft (Azure), OpenStack
CI / CD	AWS Amplify, Jenkins, GitLab Pipeline, GitHub Actions
Tools	IntelliJ (IDEA, PyCharm, PHPStorm), Postman, Git Bash, GitHub, GitLab, Apache Spark, Docker, Docker Hub, Chrome/Edge Developer Tool
Project Management	JIRA, Scrum, Trello, Asana

WORK EXPERIENCE

IT Analyst/Developer

January 2021 – April 2021

Canada Revenue Agency, Ottawa, Canada

Graduate Teaching Assistant

September 2020 – December 2020

Dalhousie University, Halifax, Canada

- Assisted instructor for course CSCI 5408 Data Management, Warehousing, And Analytics.
- Conducted laboratory sessions on topics of SQL Query, Visualization, Apache Spark, and Business Intelligence.
- Provided inputs for preparation of assignment/project and assessment.
- Responsible for marking the assignment and providing office hours for individual Q/A session.

Associate UI Developer

March 2019 – June 2019

Media.Net Software Services, Mumbai, India

- Developed cross-browser structure and responsive design for desktop, tablets, and mobile.
- Designed aesthetic user interface using HTML5, CSS3, and JavaScript/jQuery with support on browsers like Google Chrome, Mozilla Firefox, and Internet Explorer (till IE version 7).
- Fetched data from REST API in JavaScript using Fetch API and create dynamic DOM structure.
- Responsible for gathering the publisher's requirements for creating ad units. Performed unit testing of the ad units on multiple browsers and multiple devices.

Application Development Analyst

August 2016 – March 2019

Accenture Solutions, Mumbai, India

- Automated activities using Python Scripting and scheduled Cron jobs on Linux OS.
- Designed user interface with Java Server Pages, JavaScript, HTML, and CSS.
- Implemented logic in Java with SQL queries to fetch data using JDBC. Wrote test cases using JUnit for the unit test of the application.
- Monitored system health for SAP systems and Linux OS. Performed start/stop activity for SAP systems and database. Resolved Priority1/Priority2 incidents during On-Call support.

SELF LEARNED

- Automating mundane/repetitive task using Python, Bash, Visual Basics Macro
- Creating responsive websites with components-based architecture.
- Connecting to and Interacting with databases using Java, PHP and Python.

PROJECTS

Hockey League Simulation

Advanced Topics in Software Development

- Developing a command line application in Java to simulate a hockey league championship.
- Wrote the code within the guidelines of S.O.L.I.D. principle and Test-Driven Development (JUnit).
- Established Continuous Integration and Continuous Delivery (CI/CD) pipeline on GitLab Auto DevOps.

Cake Bakery

Advanced Topics in Cloud Computing

- Developed a full stack web application Angular, React JS and Node JS. Deployed the application using AWS S3, Elastic Beanstalk, Lambda (serverless computing), MS Azure (Docker Container) and MySQL (AWS RDS).
- Our team followed an agile methodology for development and SCRUM was used as project management tool. For version control our team used GitLab.

Shopping Kart

Advanced Topics in Web Development

- Developed an online grocery shopping application using MongoDB, Express, React, Node JS. Deployed front-end on AWS Amplify, back-end on Heroku Cloud and MongoDB on MongoDB Atlas.
- Created REST API's to manage the products, inventory and users. GitHub was used as a version control system and MS Teams was used for collaboration.

Sales Data Visualization

Data Management, Warehousing, And Analytics

- Implemented algorithm to clean the dataset in Python. Used Pandas/NumPy for data analysis and processing.
- Created facts, dimension tables and Snowflake schema. Connected Cognos BI tool with PostgreSQL server.
- Created aesthetic and interactive dashboards (Pie Charts, Word Cloud, Map Visualization and Summarization.)

Sentiment & Semantic Analysis

Data Management, Warehousing, And Analytics

- Implemented an algorithm in Python to perform analysis on the data fetched from twitter API. Transformed and loaded in MongoDB using PyMongo. Used Pandas and NumPy for data analysis and processing.
- Word Count for checking the sentiment analysis was done using Apache Spark installed on AWS EC2 instance. The data was used to visualization using Tableau to create the word cloud.

Shortest Path Finder

Software Development Concepts

- Implemented an algorithm in Java to find the shortest path between source and destination.
- The application allows the user to create a customized map having intersections and roads.
- Provided the shortest path between the required intersections as an output.

Money Manager

Mobile Computing

- Developed an Android application to keep track of user's income and expense.
- Used XML to design the user interface and Kotlin to handle the business logic.
- Created persistent local storage is using SQLite.

EXTRA CURRICULAR & HOBBIES

- Participated in overnight Barclays Hackathon Coding competition
- Participated and won in several school/college Dancing competitions
- Played indoor games like Table Tennis, Carom, Chess, & Badminton