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	React, Angular, JavaScript, Node JS, HTML5, CSS3, Material UI, Bootstrap
Databases & Tools	MongoDB, MySQL, DB2, MySQL Workbench, MongoDB Compass
Cloud	Google (GCP), Amazon (AWS), Microsoft (Azure), Heroku, OpenStack
CI / CD	Jenkins, GitLab Pipeline, GitHub Actions, AWS Amplify
Tools	IntelliJ (IDEA, PyCharm, WebStorm), Git Bash, GitHub, Browser Developer Tool
Project Management	JIRA, Asana, Scrum, Remedy

WORK EXPERIENCE

IT Developer
January 2021 – Present

Canada Revenue Agency, Ottawa, Canada

- Developing Enterprise web application using Struts Web Framework in Model-View-Controller architecture.
- Handling and maintaining the business logic in Enterprise JavaBeans connecting to the mainframe.
- Working on migrating front end from Struts JSP to Angular with JavaScript.
- Using Git as version control system integrated with Jenkins for CI/CD on Oracle WebLogic server.
- Working in an agile environment to deliver the sprints using JIRA and performing peer code reviews.

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.

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

Shopping Kart
Advanced Topics in Web Development

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

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.

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.

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