

LAMBTON COLLEGE



Job Search and Action Plan [Co-op Preparation 07 DSMM Group 1)]

121 Brunel Rd, Mississauga

ON L4Z 3E9

A group assignment submitted by individuals of 2nd Term Winter 2022

Big Data Analytics DSMM

**Under the supervision
of
Professor Wassim Abdelmalik**

Submitted BY:

Aadarsha Chapagain (C0825975)

Piyush Bhatia (C0827347)

Rishi Phaneendra Varma (C0825285)

Submitted To:

Lambton College

Professor Wassim Abdelmalik

Submission Date:

21st Feb, 2022

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Professor Wassim Abdelmalik

Submission Date:

19th Feb, 2022

Job Pool

Here In this document we have listed all the job posting, we as a team have collected from the different source and aggregated here.

Job Post :1

Name of Group Member who found the position: Aadarsha Chapagain

Date that Job Posting was found : Feb 15, 2022

Method of Application: LinkedIn

https://www.linkedin.com/jobs/view/2920401026/?alternateChannel=search&refId=qJWfWx3ElzKTM4qOfUjZ7A%3D%3D&trackingId=SNS%2Fb6i1hBw8kGPTjhuDyw%3D%3D&trk=d_fl_agship3_search_srp_jobs

Job Title: Associate Data Engineer

Job Description:

- Lead, design, and develop analytical solutions for our partners to help drive smarter business decisions
- Work with Business Stakeholders for scoping requirements, conducting UAT and gathering feedback
- Build ETL solutions with SQL based technologies like Oracle, Snowflake and Spark
- Serve the team as a subject matter expert & mentor for ETL design, and other related data and programming technologies
- Proactively identify performance & data quality problems and drive the team to remediate them. Advocate architectural and code improvements to the team to improve execution speed and reliability
- Design, develop and document database objects with the best architectural principles and patterns.
- Work effectively in an unstructured and fast-paced environment both independently and in a team setting, with a high degree of self-management
- Prioritize and execute multiple tasks in a highly dynamic environment with a results oriented mindset. Strong problem solving with acute attention to detail and ability to meet tight deadlines and project plans
- You find satisfaction in a job well done and thrive on solving head-scratching problems
- Be prepared to learn new platforms and syntax with short ramp-up cycles

- Be prepared for changes in business direction and understand when to adjust designs

Hiring Company Name: Salesforce Toronto, ON

Job Post :2

Name of Group Member who found the position: Aadarsha Chapagain

Date that Job Posting was found : Feb 10, 2022

Method of Application: Indeed

<https://ca.indeed.com/viewjob?jk=b323c615dd3c33b7&tk=1frvhm3ljj78m801&from=serp&vjs=3>

Job Title: Junior Data Engineer

Job Description:

- Develops analytical solutions and makes recommendations based on an understanding of the business strategy and stakeholder needs.
- Provides advice and guidance to assigned business/group on implementation of analytical solutions.
- Works with stakeholders to identify the business requirements, understand distinct problems and expected outcomes, and models and frames business scenarios which impact critical business processes and/or decisions.
- Works with various data owners to discover and select available data from internal sources and external vendors (e.g. lending system, payment system, external credit rating system, and alternative data) to fulfill analytical needs.
- Applies scripting / programming skills to assemble various types of source data (unstructured, semi-structured, and structured) into well-prepared datasets with multiple levels of granularities (e.g., demographics, customers, products, transactions).
- Develops agreed analytical solution by applying suitable statistical & machine learning techniques (e.g., A/B testing, prototype solutions, mathematical models, algorithms, machine learning, deep learning, artificial intelligence) to test, verify, refine hypotheses.
- Summarizes statistical findings and draws conclusions, presents actionable business recommendations. Presents findings & recommendations in a simple, clear way to drive action.
- Documents data flow, systems and processes in data collection to improve efficiency and apply use cases.
- Performs experimental design approaches to validate finding or test hypotheses.

- Uses the appropriate algorithms to discover patterns.
- Builds effective relationships with internal/external stakeholders and ensures alignment.
- Supports development of tools and delivers training for data analytics and AI.
- Supports development and execution of strategic initiatives in collaboration with internal and external stakeholders.
- Leads/participates in the design, implementation and management of core business/group processes.
- Focus is primarily on business/group within BMO; may have broader, enterprise-wide focus.
- Exercises judgment to identify, diagnose, and solve problems within given rules.
- Works independently on a range of complex tasks, which may include unique situations.
- Broader work or accountabilities may be assigned as needed.

Hiring Company Name: BMO Financial Group

Job Post :3

Name of Group Member who found the position: Aadarsha Chapagain

Date that Job Posting was found : Feb 16, 2022

Method of Application: Glassdoor

https://www.glassdoor.ca/Job/midtown-toronto-data-engineer-intern-jobs-SRCH_IL.0,15_IC4037633_KO16,36.htm?jl=1007643967265&guid=0000017eff4fede8826bcb4fa8ed19ee&pos=101&src=GD_JOB_AD&t=SR-JOBS-HR&srs=MEMBER_HOME_RECOMMENDED&s=320&ao=1136043&jrtk=3-0-1frvkvrghu3jb801-1frvkvrh7u3mu800-d015d7be7f712b6a-

Job Title: Data Engineer Intern

Job Description:

- Write code to automate ingestion and transformation of data from different sources (from conception to production)
- Design, build, and own highly resilient data processing jobs
- Build systems that represent real-world intricacies of physical commodities
- Collaborate with Services team to identify and map different data sources
- Participate in code reviews to push for high quality and coding standards

Hiring Company Name: Validere Technologies

Job Post :4

Name of Group Member who found the position: Piyush Bhatia

The date that Job Posting was found: Feb 13, 2022

Method of Application: LinkedIn

<https://www.linkedin.com/jobs/view/2927612473/?refId=pY6pWF6fik%2BigrKkWffd6w%3D%3D&trackingId=QT2phNc63W58MJUjCZgT5g%3D%3D>

Job Title: Data Visualization Specialist

Job Description:

- We are recruiting for a **Data Visualization Specialist** to join the Risk Analytics team in the Investment Risk Department on a short-term contract basis.
- The candidate is responsible for the architectural build and development of high-quality data visualization reports and dashboards on Tableau.
- Work with management and risk experts on the team to create effective tables, charts, and graphs to enhance day-to-day data analysis.
- This position requires someone with high attention to detail, a strong sense of creativity, ownership, integrity, and strong analytical & problem-solving skills.
- The candidate is expected to possess working knowledge in data analytics, coupled with the ability to integrate/translate/present complex risk data in Tableau using expert knowledge in Business Intelligence (B.I.) applications.
- Ability to perform data mapping, blending, and ETL design using available programming languages (e.g., Python)
- Experience working with a non-relational database (SQL and Oracle)

Hiring Company Name: CPP Investments | Investments RPC Toronto, ON

Job Post:5

Name of Group Member who found the position: Piyush Bhatia

The date that Job Posting was found: Feb 16, 2022

Method of Application: Glassdoor

https://www.glassdoor.ca/Job/data-reporting-analyst-jobs-SRCH_KO0,22.htm

Job Title: IT Data Analyst, Capital Markets - Trade Reporting

Job Description:

- Development of Controls, KPI/KRI, Data Visualization, and data analysis required to meet the regulatory commitments within the regions our bank operates & other stakeholders related to Swap Dealer Reporting.
- Support both Senior Manager(s), Regulatory Reporting Infrastructures with complex data analysis, problem-solving, and project execution as related to Swap Data Reporting (SDR) & Portfolio Reconciliation activities are designed and operating effectively in all areas bank operates (DFA, CTR, MIFID 2, EMIR, MAS, HKMA, ASIC).
- Coordinating within the internal team and with other regulatory, compliance, and technology functions to ensure teams leverage best practices and develop effective solutions
- Conduct frequent trend analysis, data analysis, and investigate discrepancies from large volumes and varieties of trade data and financial information from multiple source systems and regulations to identify risks in business processes and areas of non-compliance.

Hiring Company Name: Procom services

Job Post :6

Name of Group Member who found the position: Piyush Bhatia

Date that Job Posting was found: Feb 17, 2022

Method of Application: jobs.bell.ca

<https://jobs.bell.ca/ca/en/job/315113/ON-2022-Finance-Internship-Program-Data-and-Analytics>

Job Title: Business Analyst Intern

Job Description:

- 3rd-year undergrad university student enrolled in bachelor's program with a focus on Business Analytics, Graduating in 2023.
- Proficient in Microsoft Office (Excel, PowerPoint, Outlook, Word)
- Ability to learn new Finance systems quickly (i.e., SAP, BI, BPC tool)
- Knowledge of analytical tools and technologies: (i.e.: Teradata, SAS, SQL, Tableau, Cognos)
- Working knowledge of statistics and statistical data analysis techniques and their application (i.e.: Time series, ARIMA, Cluster Analysis)
- Self-starter who works well independently as well as in a team environment

Hiring Company Name: Bell Canada

Job Post :7

Hiring Company Name: Cognizant, Toronto, ON

Name of Group Member who found the position: Rishi Phaneendra Varma Bhupathi Raju

Date that Job Posting was found : Feb 13, 2022

Method of Application: LinkedIn

Cognizant hiring Data Analyst in Toronto, Ontario, Canada | LinkedIn

Job Title: Data Analyst

Job Description:

- Specializes in working with large and complex data sets to evaluate, recommend, and support the implementation of business strategies.
- Identifies and compiles data sets using a variety of tools to help predict, improve, and measure the success of key business-to-business outcomes
- Wrangle data using SQL for analysis and delivery purposes. Locate and explain data assets and connect them across different platforms and formats.
- Understand and document complex data flows for business user stories and enterprise level data solutions for problem statements set before them, create complex mappings and specifications from mapping requirements identified in user stories, profile and review complex mapping requirements and business scenarios to flush out mapping requirement, and perform more complex data analysis.
- Prepare, create and execute complex scenario test plans and scripts using SQL, Python or scripting to test complex user stories.
- Applies working knowledge of their business domain for their assigned sub business process and business operations in order to provide appropriate data to inform business decisions

Job Post :8

Hiring Company Name: Sanofi, Toronto, ON

Name of Group Member who found the position: Rishi Phaneendra Varma Bhupathi Raju

Date that Job Posting was found : Feb 13, 2022

Method of Application: LinkedIn

Sanofi hiring Process Automation/Data Analyst in Toronto, Ontario, Canada | LinkedIn

Job Title: Process Automation/Data Analyst

Job Description:

- Supports respective Digital Booster Leaders in roll-out of digital products and performance initiatives.
- Develops process automation solutions (digitizing manual data entry tasks), data modelling and data visualization.
- Works with key stakeholders to understand business requirements, identify improvement opportunities, and find/develop digital solutions to solve business problems.
- Develops digital solutions to automate business processes and enable analysis of data for generating business insights.
- Designs and builds data models, ETL pipelines, and data visualization dashboards as part of digital solutions.
- Manages improvement opportunities through identification, development, and implementation stages.
- Conducts data analysis, data visualization to exploit full potential for improvement coming from digital product and data gathered and structured.
- Becomes proficient on IA data environment, platforms and tooling.
- Develop relevant KPI's and baseline data, implement, track and analyze Key operational metrics and progress of digital tool deployments.
- Ensures outcomes of Digital Products are measured and analyzed and reported on a regular basis.

Job Post :9

Hiring Company Name: RBC, Toronto, ON

Name of Group Member who found the position: Rishi Phaneendra Varma Bhupathi Raju

Date that Job Posting was found : Feb 14, 2022

Method of Application: Glassdoor

Data Analyst, Summer 2022 Student Opportunities in Toronto, Ontario, Canada | Internship | Co-op at RBC | Jobs at RBC

Job Title: Data Analyst

Job Description:

- Analyze, design, deliver, and implement analytic development projects, with the use of RBC's analytics tools
- Ensure that project activities are accomplished within approved time frames, scope, and budgets
- Confirm that projects adhere to development standards and guidelines
- Apply data warehouse concepts and methodologies to various projects

Job Post :10

Hiring Company Name: KPMG, Toronto, ON

Name of Group Member who found the position: Rishi Phaneendra Varma Bhupathi Raju

Date that Job Posting was found : Feb 18, 2022

Method of Application: Indeed

Data Analyst Jobs in Toronto, ON (with Salaries) 2022 | Indeed.com Canada

Job Title: PowerBI Analyst

Job Description:

As the PowerBI Analyst, you will support the Resource Management Team and Partners with analyzing requirements to develop impactful recommendations and solutions.

-
- Work closely with the Resource Management team in understanding key business issues.
- Utilize advanced analytical techniques to solve challenging business problems. Leverage a diverse set of technologies and tools to deliver insights.
- Work with large volumes of data (structured and unstructured).
- Run queries for descriptive analytics and provide formatted result sets.
- Proactively contribute to the creation of presentation materials relating to data activities for stakeholder discussions.
- Create and maintain interactive data visualization through data interpretation and analyses, integrating various reporting components from multiple data sources
- Bridge the gap between technical platform needs and business issues.
- Support and enhance of existing reports and dashboards based on evolving business needs
- Assess the effectiveness and accuracy of new data sources and data wrangling techniques
- Support ad-hoc analyses with decision-grade quality
- Support the staffing and utilization efforts by developing reports for Resource Manager, and other leaders (e.g. Performance Managers, Engagement Managers, Partners) to make staffing recommendations and decisions
- Leveraging opportunities for staff development, e.g. growth in areas of key industries and hot market skills

AADARSHA CHAPAGAIN

3659948643

aadarshachapagain@gmail.com

<https://www.linkedin.com/in/aadarsha-chapagain-759532113/>

Brampton ON

Work Experience

Accessible ICT *January 2021 – August 2021*

- Analyzed user requirements and created technical specifications with Miro, Jira and Adobe.
- Wrote and test code, refined and rewrote it as necessary and communicate with any programmers involved in the project, (Unit testing, API testing, performance testing)
- Maintained systems and corrected software defects by monitoring error logs and resource utilization metrics such CPU, memory, and disk usage
- Built, deployed, and maintained production infrastructure and services and staging environments with PM2 for NodeJS, git, Webhooks, AWS EC2, LightSail, RDS, AWS SES, AWS S3, Google Maps, Docker
- Consulted clients and colleagues concerning the maintenance and performance of software systems, with a view to writing or modifying current operating systems with Microsoft Teams, Google Meet, Skype for Business
- Investigated new technologies and continually updated technical knowledge and skills by attending in-house and external courses, reading documentation, manuals, guidelines and accessing new applications
- Deployed software updates, fixes and patches as per need of the system
- Wrote systems to control the scheduling of jobs or to control the access allowed to users or remote systems with cron Jobs and Apache Air flow
- Monitoring, troubleshooting and capacity planning of cloud platforms
- Implemented automation tools and frameworks (CI/CD pipelines)
- Present the deliverables and achieved milestones to the clients and other concerned parties with PowerPoint Presentations and live Demos

Code For Core Innovations *December 2018 – January 2021*

- Analyzed and organized and cleansed raw data obtained from external source (Excel)
- Built Data models and Pipelines and API to communicate with other web applications
- Conducted data analysis and reports on result with python, Jupyter Notebook, Power BI Tableau and JavaScript frameworks Echarts , chart.js
- Performed Data cleansing and Validation with python and SQL
- Collaborated with Data Scientists and statistician on several projects
- Built Web Applications with MVC frameworks Laravel(PHP), Django(Python) and flask(Python)
- Worked with CSS, HTML, and JavaScript, along with jQuery, bootstrap to craft client-facing platforms

- Managed databases SQL, NO SQL, and servers with aapanel for Django and Flask, PhpMyAdmin, Apache, XAMP, MAMP, WAMP, LAMP
- Coding for functionality across multiple languages and platforms Laravel with PHP, Python with Flask and Django
- Communicated with specialized developers and the graphic design team to deliver the best possible product with Slack, Trello, Jira, Microsoft Teams, Skype, Telegram
- Kept up with emerging technology that may serve the business' needs
- Prototyped minimal viable products for communication with company stakeholders
- Meeting both technical and consumer needs.
- Designed databases and developed APIs after ER modeling and use Case diagrams with draw.io, Postman and thunder client.
- Assessed the efficiency and speed of current applications and error log analysis
- Managed production and staging environment with Digital Ocean, AWS EC2, RDS, S3 GitHub, GitLab, Nginx
- Quality Testing, API testing with Postman and Unit Testing

W3 Developers *October 2016 – November 2018*

- Assisted the web development team with all aspects of website and application design.
- Assisted with the testing and maintenance of backend and front-end applications built with php Laravel, HTML, CSS, JavaScript, Bootstrap, jQuery and vuejs.
- Brainstorming new tech applications such as digital storage and mobile technology.
- Collaborated with developers to implement new web features.
- Kept up to date with the latest technology and programming trends.
- Converted video, audio, written, and graphic components into compatible formats for the web.
- Used user feedback to identify and correct problems with a client's website.

Projects

Tender Build <https://react.tenderbuild.com.au/>

[Web Application to manage Construction project starting from tender to all the way to payments]

Roles: DevOps Engineer | Backend Developer

Tools: Jira, GitHub, Miro, Pm2, AWS ec2, Nodejs, Express, MongoDB, Postman, Git

Responsibilities:

- Followed Whimsical design to create the database model and API
- Developed Rest API with Nodejs, Express and MongoDB
- Collaborated with frontend team and client to produce expected result
- Setup Staging environment to show case updates and changes to client
- Integrated microservices and third-party API
- Generated Test Data for Performance Testing
- Performed User Testing and Tracking, Planning and Visualization with Miro
- Used PM2 with git for continuous Integration and Development
- Monitoring, troubleshooting and capacity planning of Staging and Production Environment
- Developed/maintained processes, tools, and documentation

Railway Recruitment <http://www.dorw.gov.np/>

[Portal For collecting the online application for hiring done by National Railway Department During Covid]

Roles: Data Engineer

Tools: SQL, Python, Git

Responsibilities:

- Validated the application data using SQL and python
- Validation would mostly rely on the presence and absence of required document their readability
- Prepared the data of the applicants who have submitted all the relevant documents and uploaded the payment slip.
- Cleaned and application data and made it ready for analysis and visualized data
-

Go Buddy Go <https://gobuddygoo.com/>

(Web Application for Collecting Hotel Data from Hotels and room availability for booking and reservations)

Roles: Full Stack Developer | Django/Flask Developer

Tools: Django, Flask, SQL, Apanel, Heroku, Mongo, Apache Airflow, Postman, Git

Responsibilities

- Designed and Developed Database models and Entity relationship diagram
- Developed Use Case Diagram with Draw.io
- Developed User Interface with Django Templates and changed Admin Templates
- Developed and Tested API with Rest Framework (DRF) and Postman
- Performed Versioning and Update Release, built test Data for performance testing

Hamro Swasthya <https://covid19.mohp.gov.np/>

[Web and mobile application portal for Covid Data Visualization for Government of Nepal]

Roles: Data Engineer | Database Developer

Tools: SQL, Draw.io, phpMyadmin, python, Django, PostMan, Git

Responsibilities:

- Performed Entity relationship modeling
- Designed Database to reflect user interface
- Updated and managed Database
- Developed and Tested API with Rest Framework and Postman
- Cleaned Data and Transformed for Visualization
- Performed Data Visualization to achieve useful insights

National news Site <https://gorkhapatraonline.com/>

[News portal Owned and managed by Government of Nepal]

Roles: Database Developer | API Developer

Tools: SQL, Draw.io, phpMyAdmin, Laravel , PostMan, Git

Responsibilities:

- Carried out Entity relationship modeling and documentation
- Designed Database to reflect the user interface
- Optimized Query and Database tuning to increase the performance
- Incorporated updates and changes in Database without affecting the production environment
- Developed and performed API testing with Postman

- Performed Microservices and third-party API integration

Skills

- Language: C, Python, PHP, Spark, Java, Scala, Pig, HTML, CSS, JavaScript
- Libraries: Pandas, NumPy, ML
- Frameworks: Django, Laravel, Node, Express, PM2, Jira, Sqoop, Kafka, PowerBI, Tableau
- Hadoop, HDFS, jQuery, JSON, AJAX, Bootstrap, GraphQL
- Cloud: AWS EC2, RDS, EBS, EMR, GCP, Big Query
- Database: SQL, Mongo, Hive, Cassandra
- Systems: Windows (XP/2000/2003, 7, 8, 8.1, 10), UNIX, Linux, Centos, Macintosh
- CI/CD: Gitlab, GitHub, Webhooks

Education

- Post Graduate Big Data Analytics Lambton College Mississauga.
(2021-2023)
- Bachelor's in computer science & Information Technology, Tribhuvan University.
(2014-2018)

Awards

Jury Mention ICT AWARD (2020)

This award was granted to Hamro Swasthya (official Covid 19 App by Ministry of health and population). Hamro Swasthya is a crisis management web and mobile portal to disseminate information regarding the Covid -19 victims

Contribution: Database Design and Maintenance

The FR. Charles A law S.J. Memorial Award (2018) St. Xavier's College Maitighar

For Excellence in Social and Environmental Responsibility

Comments From Team Member:

Piyush: “

1. *Add an overview in the beginning, which will help the recruiter understand your interest in the job.*
2. *Please add recently done projects. This will add weightage to your profile and justify your experience”*

Rishi: *“Please add your current educational qualification under your work experience and include projects that you have done during your course work including certifications. It's always good to have a section for your interpersonal skills to compliment your technical abilities.”*

AADARSHA CHAPAGAIN

Data Engineer Intern

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<https://www.linkedin.com/in/aadarsha-chapagain-759532113/>
L6Y 5E9, Brampton ON

Dear Validere Hiring Manager,

I am writing to express my interest in applying for the position of Data Engineer Intern at Validere Technologies for Summer 2022.

I am a Post Graduate student in Big Data Analytics computer with 5 years' experience working as a Software Engineer. My Post Graduate degree and data science skills give me an excellent combination of expertise including artificial intelligence, data modeling, visualization, communication, teamwork, and much more. My earlier experience not only has brought me joy in Software development, but also enabled me to realize the power of Data engineering. Hence, I believe my passion and expertise would be a great asset to your team. Do have a look at my CV to find out more.

You will find me a friendly, energetic, and reliable person. In a fast-paced working environment, I am a man with focus, commitment, and fast adaptability, which I hope I can put to good use at your firm.

Validere interests me the most particularly in how it is focused on providing single source of truth and identification of hidden sources of value across business. I am also excited about the tech stack that Validere uses to provide its solutions. I had chances to work on those stacks at my past jobs and really enjoyed it.

I would love to bring my passion, skills, and knowledge to your firm. I can make a positive contribution to the future of Validere. Give me the chance and I will help in solving complex problem and build pipelines to automate data ingress.

In short, I am a great candidate for this position. I would be delighted to continue discussing the various ways in which I could contribute to your firm. So please get in touch with me by telephone or by email and I would be happy to attend an interview at your convenience.

I know recruiting can be a long and stressful procedure so I would like to thank you for taking the time to consider my application.

Yours faithfully,

Aadarsha Chapagain

AADARSHA CHAPAGAIN

“Successful professional with data and software engineering experience seeking internship opportunities in leading analytics SaaS provider organization leveraging big data tools and engineering skills”

3659948643

aadarshachapagain@gmail.com

<https://www.linkedin.com/in/aadarsha-chapagain-759532113/>

Brampton ON

Experience

Lambton College Mississauga, Big Data Analytics *September 2021 – Present*

- Performed Data analysis and visualization on Ontario Covid Outbreak Dataset with python pandas, matplotlib, Seaborn
- Performed Data mining from twitter with Flume on top of Hadoop architecture.
- Performed sentiment Analysis on twitter data with pandas, tweepy, codecs, RapidAPI
- Built Apache Spark clusters to run on Amazon EMR
- Used Pig to perform analysis on the UCI Machine Learning Repository flag data set
- Parsed XML data in hive using XML serde and exported that data using Sqoop
- Utilized Tableau, PoweBI and Ms SQL Server for Visualization and analysis
- Utilized OOP concept with python and implemented TFID, Bag of words.
- Completed Certifications on SQL programming, MSSQL server, Data warehouse SQL, Machine Learning with python, Program Database with Transact SQL, Applied Machine Learning algorithms, on LinkedIn Learning.

Accessible ICT *January 2021 – August 2021*

- Analyzed user requirements and created technical specifications with Miro, Jira and Adobe.
- Wrote and test code, refined and rewrote it as necessary and communicate with any programmers involved in the project, (Unit testing, API testing, performance testing)
- Maintained systems and corrected software defects by monitoring error logs and resource utilization metrics such CPU, memory, and disk usage
- Built, deployed, and maintained production infrastructure and services and staging environments with PM2 for NodeJS, git, Webhooks, AWS EC2, LightSail, RDS, AWS SES, AWS S3, Google Maps, Docker
- Consulted clients and colleagues concerning the maintenance and performance of software systems, with a view to writing or modifying current operating systems with Microsoft Teams. Google Meet, Skype for Business
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- Developed and Tested API with Rest Framework (DRF) and Postman
- Performed Versioning and Update Release, built test Data for performance testing

Hamro Swasthya <https://covid19.mohp.gov.np/>

[Web and mobile application portal for Covid Data Visualization for Government of Nepal]

Tools: SQL, Draw.io, phpMyadmin, python, Django, PostMan, Git

Responsibilities:

- Performed Entity relationship modeling
- Designed Database to reflect user interface
- Updated and managed Database
- Developed and Tested API with Rest Framework and Postman
- Cleaned Data and Transformed for Visualization
- Performed Data Visualization to achieve useful insights

National news Site <https://gorkhapatraonline.com/>

[News portal Owned and managed by Government of Nepal]

Tools: SQL, Draw.io, phpMyAdmin, Laravel, PostMan, Git

Responsibilities:

- Carried out Entity relationship modeling and documentation
- Designed Database to reflect the user interface
- Optimized Query and Database tuning to increase the performance
- Incorporated updates and changes in Database without affecting the production environment
- Developed and performed API testing with Postman
- Performed Microservices and third-party API integration

Skills

- Language: C, Python, PHP, Spark, Java, Scala, Pig, HTML, CSS, JavaScript
- Libraries: Pandas, NumPy, ML
- Frameworks: Hadoop, HDFS, Mapreduce2, Yarn, Name Node, Data Node, Ambari, Sqoop, Kafka, Zookeeper
- PowerBI, Tableau, Django, Flask, PIP, Nginx, Heroku, Laravel, Node, Express, PM2, Jira, jQuery, JSON, AJAX, Bootstrap, GraphQL,
- Cloud: AWS EC2, RDS, EBS, EMR, GCP
- Database: SQL, Mongo, Hive, Cassandra, Big Query
- Systems: Windows (XP/2000/2003, 7, 8, 8.1, 10), UNIX, Linux, Centos, Macintosh
- CI/CD: Gitlab, GitHub, Webhooks

Education

- Post Graduate Big Data Analytics Lambton College Mississauga.
(2021-2023)
- Bachelor's in computer science & Information Technology, Tribhuvan University.
(2014-2018)

Awards

Jury Mention ICT AWARD (2020)

This award was granted to Hamro Swasthya (official Covid 19 App by Ministry of health and population). Hamro Swasthya is a crisis management web and mobile portal to disseminate information regarding the Covid -19 victims

Contribution: Database Design and Maintenance

The FR. Charles A law S.J. Memorial Award (2018) St. Xavier's College Maitighar

For Excellence in Social and Environmental Responsibility