Himanshu Rao

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EDUCATION

UNIVERSITY OF WINDSOR
Masters in Applied Computing
Dec 2023 | Windsor, ON
Cum. GPA: 7.9

GALGOTIAS UNIVERSITY
Bachelors of Technology in Computer Science
May. 2021 | Uttar Pradesh
Cum. GPA: 7.8

COURSEWORK

GRADUATE
Introduction To Data Science
Data Analytics and Visulization
Advanced System Programming
Machine Learning
Information Theory
Internet of Things

UNDERGRADUATE
Python for Data Science and AI
Object Oriented Programming in C++
Data Structures And Algorithms
Programming In Java
Data Science And Big Data Analytics
Data Warehousing And Data Mining
Software Design and Architecture
Database Management Systems
Advanced Data Analytics
Operating Systems And Linux
Principles Of Cloud Computing
Probability And Queuing Theory
Discrete Mathematics
Computer Networks

SKILLS

TECHNICAL
Python • Java • C++ • DJANGO • SQL • PySpark • SparkSQL • MongoDB • PostgreSQL • AWS S3 • Flask • RESTful APIs • Flutter • HTML • CSS • JavaScript • TypeScript • PHP • Angular • ReactJS • NodeJS • NextJS • CI/CD (Jenkins) • Kubernetes• UI/UX • SDLC • Agile
Libraries:
TensorFlow • PyTorch • Sci-Kit Learn • Matplotlib• Pandas • Numpy • Numpy

TOOLS/APPLICATIONS
Visual Studio • Eclipse • Docker • JIRA • Kafka • Tableau • GITHUB • Dataiku • Latex • Linux • Airflow • Snowflake

EXPERIENCE

ROYAL BANK OF CANADA | CO-OP, FINANCIAL DATA ANALYST
Sept. 2023 – present | Mississauga, ON
- Design and develop (front-end + back-end) public-facing web applications for the business team to access and utilize resources.
- Developed a machine learning model for performing Analysis and developed a dashboard in Tableau for data visualization.
- Created automated Python scripts that automate the month-end survey consolidation process and Manual Journal Entries.

PUMPUMPUM PVT. LTD. | Data Analyst
Jul 2021 – Aug 2022 | New Delhi, India
- Facilitated the data exploration, wrangling, and querying part of a price-elastic logistic regression model on customer segments to maximize profitability.
- Developed actionable insights using Tableau for data visualization by making an interactive dashboard, thus boosting target attainment of sales executives by 8 percent.
- Managed data integration from both on premises and cloud storage sources, implementing stored procedures and views to ensure access to clean and meaningful data.

CIGNEX DATAMATICS | Software Developer
Jan 2021 – May 2021 | New Delhi, India
- Worked on three web applications targeting customers, selling vendors, and admin users; built 50+ RESTful APIs with functionalities such as login/sign up, cart, checkout, etc.
- Improved the response time by refactoring the codebase and changing database design and queries.
- Developed 2 projects E-commerce web app and an Instagram clone utilizing knowledge of ReactJS, and NodeJS.

RELEVANT PROJECTS

SMART HOME UTILITY | Web Application Project
Jan 2023 – Mar. 2023 | Windsor, ON
- Developed an IOT Smart Home Utility where users can manage their home utilities such as Electricity, Water, and Gas to avoid wastage.
- Used the Java, React-Native programming language, and Flutter UI Framework to develop a user-interactive platform with Firebase to manage CRUD operation.

KUBERNETES-ENABLED DJANGO DEPLOYMENT PIPELINE | Deployment Project
Sep 2022 – Nov 2022 | Windsor, ON
- Built Kubernetes Cluster on AWS from Scratch with Minukube.
- Setup and Managed Docker Containers for Django and React Applications into Kubernetes Pods.
- Managed network and Services with Host IP allocation through Proxy on AWS EC2 and Route53

RECOGNITIONS

2023	Completed Machine Learning by Andrew NG on Coursera.
2023	Completed Introduction to Data Science in Python on LinkedIn
2023	Completed Hackerrank Certified SQl Intermediate Level
2022	Completed Introduction to Hadoop and Hive on LinkedIn