

Princekumar Ghoghari

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Education

Concordia University

Master of Applied Computer Science

Montreal, QC

Aug. 2022 - April-2024

Sarvajanik College Of Engineering & Technology

Bachelors of Engineering in Information Technology

Surat, Gujarat

Aug. 2016 - May 2020

Secured 1st Rank in 8th Semester in GTU (From 18929 students)

Experience

Business Intelligent Developer - Intern

[Genetec Inc.](#)

May 2023 - August 2023

Montreal, QC, Canada

- Carried out data extraction, transformation, and loading (ETL) processes using D365F&O, ERP, D365CE, CRM, and Azure DevOps.
- Actively participated in the design and implementation of BI solutions in collaboration with internal partners.
- Assisted in crafting self-service reports, enabling users to analyze data efficiently on Power BI platform.
- Supported business users in creating self-service reports and offered troubleshooting assistance.

Data Scientist

[NEU Infotech](#)

Apr. 2021 - Jul. 2022

Surat, GJ

- Designed and implemented an ETL pipeline using Python to extract data from various sources, transform it according to business requirements, and load it into the ODS (Snowflake) for further analysis. Utilized statistical modeling and machine learning algorithms within the pipeline to enhance the accuracy of data analysis, resulting in more effective business strategies.
- Configured AWS S3 buckets to serve as a secure and scalable staging area for ingesting raw data before processing, ensuring data integrity for subsequent statistical analysis.
- Utilized Snowflake's cloud data platform capabilities for efficient data storage and querying, ensuring optimized performance for the ODS and seamless integration with machine learning models.
- Developed SQL scripts for data manipulation and transformation within Snowflake, ensuring data integrity and consistency in the ODS, which is crucial for accurate statistical modeling and machine learning outcomes.
- Created comprehensive Power BI reports and dashboards to visualize and present insights derived from the processed data in the ODS, enabling data-driven decision-making. Incorporated results from statistical models and machine learning predictions to provide deeper insights.
- Collaborated with cross-functional teams to align the ETL pipeline with overall project objectives and ensure seamless integration with other system components.

Python Developer

[Vrundev Infotech](#)

March 2020 - March 2021

Surat, GJ

- Developed scalable code using Django, boosting application responsiveness by 20%.
- Integrated UI elements into Django applications, creating visually appealing and user-friendly interfaces.
- Collaborated with teams and stakeholders to prioritize features and refine system functionality in Django-based projects, enhancing productivity and user satisfaction.

Technical Skills

Languages : Python, SQL, DAX, JavaScript, HTML/CSS, reactJs, Django, MongoDB

Version Control: Git/GitHub for version control and collaboration.

Data visualization tools : Power BI, Tableau

Libraries: Pandas, NumPy, Matplotlib, scikit-learn, TensorFlow, and Keras

Framework : Azure Devops, Agile, Scrum

Developer Tools : JIRA, Docker, SQL Server Managment Studio

Microsoft Dynamics, ERP, and CRM : D365F&O, ERP, D365CE, CRM

Database and ETL Tools : SSIS, SSRS, SSAS, ETL, Azure Data Factory

Achievements

A.I.Ducation | Applied Aritifical Intelligence

September 2023 - December 2023

AI, Python, Pytorch

- Created the Neural Network to capture the facial expression of the class students. Contributed to data preparation, including cleaning and labeling a 4,000-image dataset, categorizing emotions such as Angry, Bored, Focused, and Neutral, optimizing for facial expression recognition.
- Utilized Python and TensorFlow to implement AI models, applying data augmentation and transfer learning techniques to overcome dataset limitations and Analyzed model performance using precision, recall, and F1-score metrics, contributing to iterative improvements and achieving significant accuracy in emotion detection.

Interactive Sales Dashboard for Retail Analytics | Mahant Impex

June 2020

SQL, SSIS, Power BI, and Data Analysis

- Developed a Power BI sales dashboard for the Diamond industry, offering retail analytics to refine purchase and sales strategies. Leveraged SQL and SSIS for data integration.
- Extracted and transformed data from Diamond application using SQL queries and SSIS, ensuring accurate data retrieval and real-time updates for the dashboard.
- Demonstrated BI proficiency, translating business needs into insights, and showcasing skills in SQL, SSIS, Power BI, and data analysis.

AWS DynamoDB with Lambda | Distributed System Design

September 2022 - December 2022

DynamoDB, S3, Lambda, CloudWatch

- Uploaded 2+ GB CSV to S3 bucket and stored in DynamoDB using Lambda function, demonstrating big data handling ability
- Explored 4 distributed system features like auto-scaling, replication, partitioning, fault-tolerance
- Gained hands-on expertise in AWS services, serverless architecture, data storage, and cloud computing

Covid-19 Analysis Across Different Countries

April 2020

Python and SQL

- Employed web scraping techniques with Selenium and Python to gather COVID-19 statistics and stored the data in SQL databases. Developed interactive charts to visually represent regional statistics.
- Conducted in-depth analyses of COVID-19 trends, performed regional comparisons, and provided forecasting to deliver valuable insights to users.

Certifications

- Python Programming for Everybody (University of Michigan)
- SQL for Data Science (University of California, Davis)
- AWS Fundamentals: Going Cloud-Native (Amazon Web Services)
- AWS S3 Basics (Coursera Project Work)
- Mathematics and Statistics for Machine Learning & Data Science (Cinnamon TechX on Udemy)
- Microsoft Certified: Data Analyst Associate with Power BI (Udemy)
- Machine Learning and Data Science Learning with R (Udemy)
- GTU 100 Points Certification
- Cyber Security: Evolving Challenges and Awareness (Workshop in 2020 at SCET)
- Hands-on with Augmented and Virtual Reality (Workshop in 2019 at SCET)

Leadership and Extracurriculam activities

Class Representative | 3rd year in the university

SCET, Surat

Elected by peers, actively contributed to initiatives enhancing class and college reputation.

Student Core-Coordinator | Exuberance-2k20

SCET, Surat

Organized cultural event with record participation; managed logistics and coordination.

Marketing Head | GTU Techfest-2k19

GTU

Led marketing efforts across Gujarat for a major tech and management event; increased visibility and participation.

Event Manager | Converse-2k19

SCET, Surat

Managed a Provincial-level technical festival, overseeing planning, execution, and team coordination.