

Payal

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Profile

- Motivated Data Analyst with a strong background in Computer Science and expertise in data analysis, visualization, and machine learning.
- Experienced in working with databases, data integration, and open-source frameworks.
- Experienced in working with Unix command line and bash scripting.
- Skilled at solving problems, working well in a team, and adjusting to changing business needs.

Technical Skills

Programming & Scripting: Python, R, Java, C/C++, Bash, Javascript, React.js, CSS, Bootstrap, node.js, express.js

Data Analysis & ML: Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Seaborn, ML Models

Data Visualization & BI Tools: Tableau, Power BI, Excel, Board

Databases & Data Engineering: MySQL, PostgreSQL, MongoDB, ETL Processes, Spark SQL, Hadoop (Basics)

Salesforce Administration: Workflows, Screen-Flows, Process Builder, Formula Fields, Validation Rules

Education

Master of Applied Computing

Sep 2024 – Present

University of Windsor, Windsor, Canada

Available for 4- or 8-month internship starting September 2025.

Bachelor of Technology in Computer Science and Engineering

Jul 2019 – Jul 2023

Guru Nanak Dev Engineering College, India

CGPA: 8.76/10

Experience

EPM Consultant

Nov 2023 – May 2024

PPN Solutions, India

- Configured Enterprise Performance Management (EPM) systems for financial planning and reporting.
- Collaborated with senior consultants to gather client requirements and design custom EPM solutions.
- Performed ETL operations for data integration into EPM systems.
- Created financial models and reports for client decision-making.

Python and Machine Learning Trainee

Aug 2022 – Jan 2023

SPIC Centre, Chandigarh, India

- Built predictive models using Scikit-learn and performed data preprocessing, feature selection, and model evaluation.
- Analyzed datasets using Pandas and NumPy; visualized data with Matplotlib and Seaborn.
- Implemented regression, classification, and clustering algorithms.

Salesforce Intern

Jul 2022 – Aug 2022

Cloudalyze - A DynPro Company, India

- Managed user roles, permissions, and business automation in Salesforce.
- Created custom objects, workflows, and dashboards.
- Designed data validation rules and business insight dashboards.

Projects

Wikilytics

Jan 2025 – Mar 2025

University of Windsor

- Developed a web application using Next.js and FastAPI that predicts user engagement for any Wikipedia URL using a Logistic Regression model.
- Implemented features like Trending Now, On This Day events, and article comparison to provide interactive insights into public attention trends, enhancing user engagement and content strategy planning.

Online Education Platform Analysis

Sep 2024 – Dec 2025

University of Windsor

- Developed a web-based Java application to crawl, parse, and analyze data from major online education platforms.
- Designed a custom search engine with spell-check, word completion, page ranking, and frequency-based recommendations.

Online Judge: Coding Contest Platform

Mar 2023 – Jun 2023

Guru Nanak Dev Engineering College, Ludhiana

- Developed a platform for coding competitions with automated code evaluation.
- Maintained MySQL database for user and contest data.

Weather App

Jan 2023

Guru Nanak Dev Engineering College, Ludhiana

- Built a responsive weather application using React and Bootstrap for a clean, mobile-friendly UI.
- Utilized React hooks and component-based architecture to efficiently manage UI updates and state.

Commen-sense (Sentiment Comment Analysis)

Dec 2022

SPIC Centre, Chandigarh

- Built a YouTube sentiment analysis tool with Tkinter.
- Integrated APIs and visualized sentiment data graphically.

Certifications

Introduction to Spark SQL and DataFrames — LinkedIn Learning

Feb 2025

Unix Essential Training — LinkedIn Learning

Jan 2025

Learning Hadoop — LinkedIn Learning

Jan 2025