

# PRINCE

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## Education

Thapar Institute of Technology, Patiala

BE in Computer Science & Engineering

2021 - 2024

7.75/10 CGPA

## Work Experience

Accenture India

Sept 2023 – Present

Advance Application Engineering Analyst

Hybrid

- Supported production deployment and maintenance of client-specific data transformation flows using **IntegrationHub**, a middleware platform built on **ASP.NET** for file format conversion and data integration.
- Monitored daily **ETL** workflows involving multiple data transfer modes (**SFTP, API, Cloud Storage, Publisher-Subscriber**), ensured successful execution, and resolved issues by coordinating with Core and Dev teams.
- Investigated flow failures, performed validations, and managed post-deployment checks across environments using tools like **SQL for data verification** and **MongoDB for flow tracking**.
- Collaborate with cross-functional teams to analyze recurring issues, implement process improvements, and develop automation strategies that enhance efficiency and lower operational costs.
- Tech Stack: **ASP.NET, SQL, PostgreSQL, MongoDB, Azure, GCP, Docker, Linux, ETL Pipelines**.

National Marketing Project Inc

Jan 2023 – June 2023

Web Developer Intern

On-Site

- Developed responsive web applications using HTML, CSS, and JavaScript, with a focus on WordPress and Shopify platforms, during a 6-month front-end developer internship at National Marketing Projects Inc.
- Collaborated with a cross-functional team to ensure timely project completion, while actively staying updated on emerging front-end technologies, industry trends, and best practices for WordPress and Shopify development.
- Tech Stack: **HTML, CSS, JavaScript, WordPress, PHP, Bootstrap, Shopify**

## Projects

Retail Sales Data Analyzer: A PySpark-Based Retail Analytics Project

- Built a Retail Sales Data Analyzer using PySpark and Pandas to load, clean, and process retail sales data for analysis.
- Conducted data exploration and analysis to identify sales trends, top-performing countries, and revenue insights.
- Created clear and informative visualizations using Matplotlib and Seaborn to present revenue distribution and monthly sales trends.
- Tech Stack: **Python, PySpark, Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebook, Anaconda (virtual environment)**

Advanced Keylogger (Educational Purpose): System Activity and Behavior Logger in Python

- Designed a keylogging application that captures keystrokes, system details, clipboard content, screenshots, and microphone input for educational and security research purposes.
- Implemented encryption using the Fernet module to securely store and transmit sensitive data such as logs and audio recordings via email.
- Used Python's pynput, socket, platform, sounddevice, and PIL libraries to automate logging, audio recording, and screen capture functionalities across timed intervals.
- Tech Stack: **Python, pynput, cryptography (Fernet), sounddevice, PIL, smtplib, sockets, platform, multiprocessing**

## Technical Skills

**Programming Languages:** Python, Java, C/C++, JavaScript, R

**Databases:** MySQL, MongoDB

**Big Data and Data Processing:** Apache Hadoop, Apache Spark, Hive

**Libraries & Framework:** Numpy, Pandas, Matplotlib

**Developer Tools:** Visual Studio Code, PyCharm, Jupyter, Google Colab, GitHub

**Operating System:** Windows, Linux

## Certifications

Big Data Engineer stream Training

October 2023 - December 2023

Big Data Analyst

Accenture India