

APURVA PATIL

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SUMMARY

1.5+ years professional experience adeptly managing complex datasets. Proficient in data extraction, cleansing, and advanced statistical analysis, poised to elevate strategic decision-making and operational efficiency in data-centric environments.

SKILLS

Technology & Tools: TOSCA | Visual Studio | MATLAB | Proteus | R Studio | Jupyter Notebook | HTML | CSS | C | C++ | JAVA | Python | R Programming | Amazon Web Services (AWS) | Postman | ServiceNow | UAT | SIT

Data management & Analytics: MySQL | Oracle Database | MS Access | MS Excel | Power BI | Tableau | Burp Suite | ETL

Soft Skills: Attention to detail | Problem- Solving | Communication | Critical Thinking | Leadership.

WORK EXPERIENCE

Engineer Associate | Accenture Solutions, Pune, India

Nov 2021-July 2023

- Directed **350+** client requirements, increasing efficiency by **40%** through optimized task allocation and workflows.
- Delivered compelling **data-driven** presentations and weekly Senior Management Reports using advanced **data visualizations**, simplifying complex insights, and enhancing strategic **decision-making**.

Intern | Cogniot Technology Private Limited, Tamil Nadu, India

Sept 2020-Nov 2020

- Gathered and processed data using IoT devices, extracting actionable insights that improved **decision-making** and increased operational efficiency by **40%**.
- Employed various data analytics tools to fine-tune data workflows, boosting business integrations and operational efficiencies by **50-60%**.

PROJECTS

Trial Payment Solution (Merck Research Laboratory) at Accenture

Nov 2021-July 2023

- Optimized transaction gateways, boosting payment efficiency by **30%** and enhancing user satisfaction metrics by **15%**.
- Leveraged AWS Lambda, S3, and POSTMAN to elevate data management, improving accuracy and reliability.
- Utilized TOSCA to streamline testing workflows, reducing time to insights by **35%** and decreasing error rates by **20%**.

Uber & Lyft Cab Price Prediction at IIT ([Link](#))

Mar 2024-Apr 2024

- Engineered high-accuracy predictive models for **Uber (97.9%)** and **Lyft (93.9%)**, analyzing over 690,000 rides and weather data, achieving RMSEs of **2.10 for Uber** and **1.44 for Lyft** through advanced data preprocessing.
- Analyzed price fluctuations with time and weather, showing dynamic pricing improves operational accuracy by 94%.

LinkedIn Data Mart Development at IIT ([Link](#))

Feb 2024-Apr 2024

- Led the ETL process to parse LinkedIn JSON data into MySQL, boosting analytical capabilities and operational efficiency by **25%**, and developed dynamic PowerBI visualizations to enhance user engagement and search intuitiveness.
- Demonstrated advanced data engineering skills, optimizing data integration and visualization to amplify user experience and strategic insights by **60%**.

Insurance Cost Prediction Analysis at IIT ([Link](#))

Oct 2023-Nov 2023

- Utilized R to refine insurance data, applying linear regression to precisely predict charges based on age, BMI, and smoking status, and demonstrating smokers incur up to **3x higher** costs through clear visualizations.

CASE STUDY

RedCliffe Labs Data Breach, 2023 at IIT ([Link](#))

April 2024

- Analyzed the breach, pinpointing security flaws and underscoring urgent preventive actions to boost healthcare cybersecurity.
- Advocated for advanced encryption and real-time monitoring, enhancing security, and potentially reducing breach risks by **60%**.

EDUCATION

Illinois Institute of Technology (IIT), Chicago, IL

Aug 2023-May 2025

Master of Science, Information Technology Management | GPA: 3.66

Coursework: Programming for Data Analytics | Advanced Topics in Data Management | Object-Oriented System Analysis, Modeling, and Design | Data Mining and Machine Learning | Data Warehousing | Database Security

Savitribai Phule Pune University, Pune, India

Aug 2017- July 2021

Bachelor of Engineering, Electronic and Telecommunication Engineering | GPA: 3.36

HONORS AND CERTIFICATIONS

- Earned certifications in **Python, SQL, Data Structures**, and **Image Processing**.
- Skilled in data analytics and visualization, with a **PwC Switzerland Power BI** completion.
- Proficient in dashboard creation and data analysis, recognized with a **Cisco Data Analytics Essentials badge**.