

Ayush Patel

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SKILLS

- **Data Analysis:** Tableau, Power BI, IBM Cognos Analytics, IBM SPSS Modeler
- **Database Platforms:** SQL Server, MySQL, Oracle
- **Programming:** Python, C#, Java, PHP
- **Project Management:** MS Project, Problem-Solving, Adaptability, Team Collaboration, Interpersonal Skills, Professionalism, Documentation and Process Improvement
- **Data Informatics:** Data Migration, Data Accuracy Validation, Data Conversion, Data Analysis
- **Technical Support:** Hardware Troubleshooting, Software Troubleshooting, Network Diagnostics, Remote Support Tools
- **Cyber Security:** Incident Response, Vulnerability Management, Firewall Configuration, Network Security (TCP/IP, VPN)

EDUCATION & CERTIFICATIONS

Analytics For Business Decision Making, Post-Graduate Certificate

April 2024

Mohawk College, Hamilton, ON

- Developed expertise in data analytics, business intelligence, and reporting.
- Applied analytical techniques to optimize business operations and decision-making.
- Completed hands-on projects in data visualization and market trend analysis.
- [IBM Certifications](#) : Predictive Analytics Modeler, Business Intelligence Analyst, Enterprise Design Thinking

Cyber Security Analytics, Post-Graduate Certificate

August 2023

Mohawk College, Hamilton ON | **Honours**

- Acquired skills in cybersecurity, incident response, and network security protocols.
- Participated in simulation labs for vulnerability assessment and threat mitigation.
- Studied compliance standards and best practices for securing IT infrastructure.
- [Microsoft Certifications](#) : Azure AI fundamentals and Security, Compliance and Identity Fundamental

Computer Application and Information Technology, Bachelor of Science Degree

GPA: 9.6/10

Sardar Patel University, Gujarat, India

July 2022

- Dual degree in computer applications and IT, focusing on programming and database management.
- Gained skills in web development, system architecture, and software engineering.
- Completed projects in software development, database optimization, and IT systems security.

WORK EXPERIENCE

Virtigold Bio Tech – Data Analyst

Permanent: September 2021 - September 2022 | 1 Year

- Analyzed and optimized company web applications, improving performance and reducing downtime by 20%.
- Worked with internal departments to design and implement data-driven compensation systems, improving payroll accuracy.
- Conducted data migration and validation for internal systems, ensuring data integrity across multiple platforms.
- Created detailed documentation for processes to facilitate knowledge transfer and development continuity.

Internship: March 2021 - August 2021 | 6 Months

- Assisted in developing and analysing the company's website and supporting applications, improving user experience and reducing issues by 10%.

PROJECTS

1. Data Analysis and Visualization (Capstone Project)

- Analyzed a large dataset of LinkedIn job postings using Tableau, Excel, IBM SPSS Modeler, and Microsoft Access.
- Applied predictive modelling and clustering to identify trends in job market demand, salary disparities, and required skills.
- Developed insights to aid career development and talent management through data-driven recommendations.
- Performed data migration and analysis using SQL and MySQL databases.

2. Assessing Risk of Extreme Weather on Facilities Maintenance

Higher Education Analytics Data (HEAD) Competition, 2024

- Conducted a data analysis project for the City of Hamilton, assessing the impact of extreme weather on facilities maintenance and infrastructure.
- Developed predictive models for the Facility Condition Index (FCI) to forecast building deterioration due to climate change.
- Proposed strategies for flood risk mitigation, early warning systems, and climate-resistant materials to improve facility resilience.
- Provided actionable insights to optimize resource allocation and improve maintenance strategies for Hamilton's infrastructure.

3. [Login Alert System \(Python\)](#)

- Created a tool that captures login details and sends real-time security alerts(a tool that detects when a user logs into their computer and automatically takes a picture using the webcam. The system sends an email with the picture and login details to the user).
- This improves security by providing real-time alerts when someone accesses the computer.

4. [YouTube Music Video Downloader \(Python & FFmpeg\)](#)

- Developed a program that downloads high-quality music videos from YouTube.
- It combines the best video and audio streams into a single file.
- The tool helps users save music videos in their preferred quality without the need for complex video editing software.