# Aman Swaraj

LinkedIn • Github

## PROFESSIONAL SUMMARY

IT Professional with 2.5 years of experience in data analysis, visualization, and development. Proficient in managing and optimizing databases, dashboards and applications to ensure seamless operations and enhance performance. Dedicated to using comprehensive data analysis techniques to achieve optimal results in fast-paced environments

## EDUCATION

**Bachelor of Technology** (Computer Science) — 2017 - 2021
National Institute of Science  Technology — Grade: 8.43/10.0

**Intermediate (Class XII)** — 2015 - 2017
Sree Ayyappa Public School — Grade: 77.6%

**Matriculation (Class X)** — 2013 - 2015
BN SAHA DAV Public chool — Grade: 9.6/10.0

## EXPERIENCE

**Senior System Engineer** — July 2021 - November 2023
Infosys Limited — *Kolkata*

- Expertly managed databases and applied analytics techniques to derive actionable insights, optimize business processes, and support data-driven decision-making and performance enhancement.
- Designed and enhanced over 10 interactive dashboards in Tableau and Excel, integrating comprehensive reports to optimize data visualizations and implement complex calculations, increasing data insight accessibility by 30%.
- Utilized SQL for comprehensive data analysis and preparation, including writing complex queries, optimizing performance, and managing data integrity.
- Leveraged BMC Remedy to manage over 50 operational and service requests monthly, automating workflows and ensuring timely issue resolution while adhering to SLAs, enhancing client relationships and operational efficiency by 20%.

## INTERNSHIPS

**Full Stack Developer** — February 2021 - May 2021
Infosys Limited — *Remote*

- Completed Full Stack Engineering training on Infosys LEX, enhancing my proficiency in end-to-end software development.
- Hands-on experience with front-end development coding technologies, including HTML5, CSS3, and JavaScript ES6+.
- Achieved a certificate of Internship completion from Infosys.

## PROJECTS

**E-commerce Sales Dashboard [TableauI]** ( Demo ) — February 2025

- Designed a Power BI dashboard to analyze online sales across India, focusing on profit margins, sales performance, and category insights.
- Enabled data-driven decisions, identified 5 growth opportunities, and optimized inventory management.

**Columbia-Asia-Hospital [TableauI]** ( Demo ) — February 2025

- Used Power Query Editor in Power BI to transform and clean data, ensuring data integrity by handling missing values and inconsistencies.
- Employed DAX Functions like Average, Sum, IF, Calculate, Switch, Max, and Count for numerical measurements and analysis.
- Created interactive dashboards and reports, incorporating charts, tables, and tabular views for effective data presentation.
- Provided valuable insights through patient demographic analysis, computed departmental revenues, and average waiting times using DAX tools to support strategic decision-making processes.

**Store Analysis [Data Cleaning — Excel ]** ( Demo ) — November 2024

- Designed a Power BI dashboard to analyze online sales across India, focusing on profit margins, sales performance, and category insights for over 10,000 transactions.

- Achieved a 20% increase in sales by identifying underperforming categories and providing actionable insights for business optimization.

**Predict Blood Donations [Pandas — Numpy]** ( Demo ) May 2024

- Developed and implemented data analysis pipelines using Python, Pandas, and NumPy to predict patterns in blood donation data, improving prediction accuracy.
- Conducted data cleaning, transformation, and feature engineering to ensure the integrity and usability of datasets for machine learning models.
- Delivered actionable insights by visualizing trends and anomalies in donor behavior, showcasing proficiency in data manipulation and analytics.

## CERTIFICATIONS

**Prompt Engineering for Everyone** Cognitive Classes ( Link ) October 2024

- Completed the Prompt Engineering for Everyone course, mastering the art of crafting precise and effective prompts to interact with AI systems like ChatGPT and Co-Pilot.
- Developed skills to enhance AI responses and improve productivity through refined communication techniques

**Google Data Analytics Professional Certificate** Coursera ( Link ) May 2024

- Completed the Google Data Analytics Professional Certificate, gaining hands-on experience in data cleaning, analysis, and visualization using tools like SQL, R, and Tableau.
- Developed strong analytical skills and built a portfolio with real-world projects.

**Tableau for Data Science Certification** Itronix ( Link ) December 2023

- Completed the Tableau for Data Science Certification, gaining expertise in data visualization, dashboard creation, and advanced analytics using Tableau.
- Developed skills to transform complex data sets into actionable insights for data-driven decision-making.

**Certification course to Oracle 11g:SQL** National Institute of Science & Technology ( Link ) June 2018

- Completed the Oracle 11g: SQL Certification course, gaining proficiency in SQL queries, data manipulation, and database object creation using Oracle Database 11g.
- Developed strong foundational skills in relational databases and SQL programming.

## SKILLS

**Computer Languages:** HTML, CSS, Python, C, Java, SQL, SQL, Python
**Data Tools:** Power BI, Power BI
**Software Packages:** Pandas, Excel, MySQL, Excel
**Soft Skills:** Critical Thinking, Communication Skills
**Others:** Tableau, Analytics

## EXTRA-CURRICULAR ACTIVITIES

Served as President of the NIST Astronomy Club, demonstrating leadership from its inception. Successfully led the club's growth, organized events, and fostered a community of astronomy enthusiasts.