

# ANUSHKA PATIL

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## Education

New York University, New York City, NY, USA

September 2023 – May 2025

*Master of Science in Management of Technology (STEM)*

SGGS Institute of Engineering and Technology, Nanded, India

August 2019 – May 2022

*Bachelor of Technology in Computer Science*

Government Polytechnic, Aurangabad, India

July 2016 – June 2019

*Diploma in Information Technology*

## Experience

Data & Technology Analyst Intern

September 2024 – May 2025

NYU

*New York City, USA*

- Reduced **dashboard load time** by 30% for **enrollment analytics dashboards** by enhancing **reporting workflows** through **Snowflake** integration, **LookML model optimization**, and query tuning.
- Led **analytics efforts** and **audit process mapping** by driving **agile sprint planning**, conducting **stakeholder requirement gathering**, and executing detailed **project monitoring**.
- Enabled scalable **segmentation** and **location-based outreach strategies** by building **Python**-based geographic mapping tools linking student data from **10K+ regions**.
- Maintained 10+ **Tableau & Power BI dashboards** combining **KPIs**, **relational data models**, and **user survey insights**, ingesting **50K+ records** via **SQL-based ETL pipelines** with **validation steps** for **database integrity** across **1M+ entries**.

Software Developer I

June 2022 – August 2023

*Coditas Solutions*

*Pune, India*

- Delivered 30% boost in **system reliability** and 25% increase in **customer satisfaction** by building scalable architectures and **RESTful APIs** using **JavaScript**, **TypeScript**, and **Python**.
- Boosted 95% **uptime** and cut **MTTR** by 50% by analyzing performance logs via the **ELK stack**, querying **PostgreSQL**, and enhancing observability with **Grafana dashboards**.
- Lowered **production defects** by 30% and Implemented **continuous delivery** by building **CI/CD pipelines** with **Jenkins**, **Terraform**, and **GitHub**, deploying full-stack apps on **AWS**.

Software Developer

June 2021 – May 2022

*CodNow Technologies*

*Pune, India*

- Reached **99% defect detection accuracy** by building an **IoT-based quality control system** for Volkswagen using **Python**, deployed with **Spring Boot**, integrated with **AWS**, and visualized via custom-built **monitoring dashboards**.
- Minimized QA cycle time by 80% and false positives by 99% by engineering automation tools and dashboards using **Python**, **MySQL**, and **advanced analytics**, applying **statistical computations** to real-time encrypted sensor data.

## Projects

Airbnb Driven Market Saturation & Forecasting Analysis | [GitHub](#)

January 2025 – March 2025

- Drove borough-level insights by **data cleaning & Wrangling** 75K+ listings and performing **EDA** and **features engineering** via a full **ETL pipeline** built in **Python** and **PostgreSQL** with spatial **SQL joins**.
- Elevated price forecasting accuracy by 30% by applying **linear regression & statsmodels** to predict average monthly prices.
- Visualized NYC market trends by building an interactive **Tableau dashboard** with borough filters and **KPIs**, highlighting **pricing saturation**, availability, and room type patterns.

Business Pulse Executive Intelligence Analysis | [GitHub](#)

September 2024 – December 2024

- Increased **C-level visibility** by 40% by automating financial KPI reporting across 6 departments using a centralized **Power BI dashboard**.
- Decreased manual effort by 60% by building **SQL-based ETL pipelines** and applying **Data Analysis Expression** logic for real-time revenue, expense, and profit metrics.
- Delivered department-level insights by implementing **automated segmentation**, drill-through filters, and **budget vs. actuals** analysis on synthetic retail data.

Healthcare Compliance & Vendor Risk Intelligence Platform | [GitHub](#)

January 2024 – March 2024

- Improved **audit oversight** by tracking 30+ **KPIs** in real-time using **Looker dashboards**, powered by **LookML models** and pipelines from **Snowflake**.
- Facilitated **vendor risk intelligence** by building scalable **ETL pipelines** using **Python**, **Alteryx**, and enterprise ETL suites (**SSIS**, **Informatica**, **SAP**) to process data from 20+ **SAP tables**.
- Lowered **audit delays** by 25% by integrating **OCR extraction** for scanned PDFs and automating high-risk alerts via **JIRA ticket creation workflows**.

## Technical Skills

**Languages & Libraries:** Python (Pandas, NumPy, Scikit-learn, PyTorch, TensorFlow), Java, C++, C#, R, HTML, CSS

**Databases:** PostgreSQL, MySQL, MongoDB, Redis, SQL Server, Snowflake, Elasticsearch, Access DB

**Data Visualization & BI Tools:** Tableau, Power BI, Excel (Advanced), Looker

**Cloud & DevOps:** AWS, Azure, Google Cloud (GCP), Docker, Jenkins, Git, GitHub, Terraform, Linux, Databricks, CI/CD Pipelines

**Core Competencies:** ETL Development & Automation, Relational Data Modeling, KPI Design & Tracking, Data Reporting Automation, RESTful API Design, Agile & Scrum, JIRA, Microservices Architecture, Application/System Design, Security Protocols, Project Management, Communication & Leadership