

# Divyanshu Gupta

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## WORK EXPERIENCE

### Data Visualization Engineer – Phoenix, AZ, USA

Jan 2018 – Present

Freelance – Upwork, Freelancer.com, Fiverr

- Designed impactful **dashboards** and reports that transformed complex datasets into actionable insights, effectively helping **organizations** turn **raw data** into business reality and driving smarter **decision-making** at scale.
- Built scalable **APIs** and automated **data request pipelines** to ensure datasets remained seamlessly updated, reliable, and easily accessible for business stakeholders, reducing **manual intervention** and ensuring consistent accuracy.
- Created live, **interactive dashboards** with **Power BI, Tableau, and Domo**; leveraged **Cursor IDE** to turn imagination into reality by delivering real-time, engaging analytics solutions with **dynamic user experiences**.
- Partnered with diverse industry clients to tailor visualization strategies, improve decision-making efficiency, and significantly reduce manual reporting efforts through automation, customization, and advanced visualization design.

### Data Analytics Engineer – Phoenix, AZ, USA

Apr 2025 – Present

ASU Enterprise Technology - AZ-1

- Built and managed **Power BI dashboards** linked with **Azure SQL Database, Data Factory, and Synapse Analytics**, making broadband reports **45% faster** and helping Arizona leaders use AZ-1 data for better decisions.
- Created detailed **ArcGIS maps and interactive visuals** to show no-service areas, providers, and average speeds, improving broadband gap detection by **30%** and supporting better statewide planning in rural Arizona.
- Designed **automated data workflows in Azure Data Factory** that update on their own, reducing manual work by **40%** and keeping AZ-1 maps consistently updated with accurate broadband coverage and speed details.
- Built and deployed an **AI chatbot in Cursor IDE** trained with **FCC broadband datasets**, enabling users to easily ask questions and receive accurate, real-time answers about broadband services in Arizona.

### Business Intelligence Engineer – Phoenix, AZ, USA

July 2024 – Apr 2024

Center for the Future of Arizona

- Analyzed large financial and health datasets using **Python, SQL, and Alteryx** to uncover key trends for policy and funding decisions. Utilized **AWS Athena, S3, and Redshift** for scalable and fast analytics.
- Designed and developed **Domo and Power BI** dashboards to track KPIs, financial trends, and community metrics. Improved decision-making speed and cut manual reporting tasks by nearly 50%.
- Built automated ETL pipelines with **AWS Glue, PySpark, and Alteryx** to clean and integrate multi-source data. Stored processed datasets in Redshift, reducing overall processing time by 70%.

### Data Analyst - Phoenix, AZ, USA

May 2023 – Jun 2024

Arizona State University (America Reads)

- Created and improved **SQL-based ETL processes in Python** to combine and clean data from multiple sources. Used **Snowflake's cloud** platform for centralized storage, better governance, and faster queries for the team.
- Set up automated data updates with **Snowpipe and Snowflake Tasks**, making data available almost in real time. Added scheduling and monitoring to match reporting needs, cutting manual work by **50% and boosting** reliability.
- Developed interactive **Tableau dashboards** and **Excel reports with PivotTables**, advanced formulas, and **VBA automation**. These tools revealed trends in tutor performance and funding, helping with better budgeting and decision efficiency.

### Python Tutor - Bloomington, IN, USA

Jan 2022 – Dec 2022

Ivy Tech Community College

- Guided students through **Python fundamentals**, including control flow, functions, file handling, and basic data structures. Sessions were tailored to different learning paces and skill levels, boosting student confidence and understanding.
- Created coding assignments using real-world datasets to teach data wrangling and analysis. Taught libraries like **Pandas and NumPy**, helping students turn raw data into insights. Led workshops to build problem-solving skills.
- Introduced cloud scripting with **Azure Notebooks** and virtual environments. Explained how to run Python in the cloud and access remote data. Gave students exposure to real-world workflows.

## TECHNICAL SKILLS

**Technical Skills:** Python, Linux, R, Excel, Tableau, Power BI, Alteryx, MySQL, Domo, GCP, Big Query, Hadoop, Spark, Kafka, Docker, AWS, Snowflake, Azure, Heroku, SQL Server, Kubernetes, Jenkins, Git, bigdata, Ruby

**Data Analysis:** Statistical analysis, data modeling, forecasting, data visualization, KPI tracking, report automation, A/B testing, user behavior analysis, SAS, NVivo, ATLAS.ti, Hyperresearch, Quirkos.

**Data Management:** ETL, data warehousing, data cleaning, data integration, data governance, database design, Query Optimization

**Libraries and Framework:** Pandas, NumPy, Matplotlib, scikit-learn, PyTorch, Tensorflow, Keras, and Seaborn

## EDUCATION

### Bachelor of Science, Data Science (GPA: 3.7/4.0)

Jan 2023 – May 2025

Arizona State University

Tempe, Arizona

### Associate of Science, Computer Science (GPA: 3.8/4.0)

Jan 2021 – Dec 2022

Ivy Tech Community College

Bloomington, Indiana

## CERTIFICATIONS

- AWS Certified Data Analytics Specialty (DAS – C01) AWS | [Certificate](#)
- AWS Certified Machine Learning Specialty (MLS – C01) AWS | [Certificate](#)
- Dean's List Certificate ASU | [Certificate](#)