

ANSHU P

Open to Relocation • (908) 398-2871 • anshucr5092@gmail.com • [Portfolio](#) • United States

Education

Master of Science in Computer Science - Rowan University | Glassboro, NJ | GPA: 3.8

Aug 2023 – May 2025

Key Courses: Data Warehousing, Database Management Systems, Functional Programming

Bachelor of Engineering in Computer Science & Engineering - Sathyabama University | Chennai, India | GPA: 3.7

Jun 2019 – May 2023

Key Courses: Machine Learning, Data Warehousing, Big Data Analytics, Business Analytics

Skills

Programming & Scripting: Python (Pandas, NumPy, Seaborn, Matplotlib), R, SQL (Joins, CTEs, Window Functions), Java

Data Visualization: Power BI (DAX, Power Query, Power Pivot), Tableau, Excel (PivotTables, Charts)

Databases: PostgreSQL, MySQL, SQL Server, MongoDB, Cassandra

Cloud & Big Data: AWS (S3, RDS, IAM, Glue), Azure (Data Factory, Synapse, Databricks), PySpark, Airflow

Machine Learning: Regression, Classification, Clustering

Project Management: JIRA, ServiceNow

Web Technologies: HTML, CSS, JavaScript

Tools: Git, GitHub, Microsoft Office (PowerPoint, Excel, Word), Figma

Environments: Visual Studio Code, Jupyter Notebook, RStudio, PyCharm, Windows, Linux

Certifications

[HIPAA Compliance - Accountable](#) | Microsoft Certified: Power BI Data Analyst (PL-300) (*in progress*)

Experience

Reporting Analyst - Medical College

May 2020 – Dec 2022

- Automated reporting workflows in Excel to process 500+ weekly student records, boosting data accuracy and accelerating academic decisions by 30%.
- Performed data analysis and transformation on 50+ attendance and performance datasets for 150+ students using advanced Excel functions (PivotTables, VLOOKUP, conditional logic), uncovering at-risk individuals and drive a 15% increase in student engagement through targeted faculty interventions.
- Built and maintained 10+ interactive dashboards and KPI reports to visualize attendance, grades, and academic trends, enabling faculty to make data-driven interventions and improving transparency in academic reporting.

Data Analyst Intern - Cognibot

Jul 2021 – Dec 2021

- Automated collection of 1,400+ daily Bitcoin price points by scraping CoinMarketCap every minute with Python (Pandas, BeautifulSoup) and loading the data into PostgreSQL to create a clean, reliable source for historical trend analysis.
- Built analytical workflows to clean and transform streaming price data, calculating key market indicators (percent-change, price-direction, rolling-averages) to support real-time volatility monitoring and historical performance insights.
- Developed an interactive Plotly dashboard with 60-second auto-refresh and conditional formatting to visualize price swings and trend patterns, enabling near-real-time data-driven decision-making for market monitoring.

Projects

Credit Card Financial Dashboard — Power BI

- Designed and deployed two real-time Power BI dashboards with advanced DAX measures tracking KPIs (revenue, transactions, delinquency, engagement) and drill-through by gender, region, and activation trends, boosting decision speed by 35%. Revealed a 12.8% Week-52 revenue drop and 93% transaction share from Blue & Silver cardholders through automated SQL data modeling and Power BI transformations on 10K+ transactions. Built a CSV-to-dashboard pipeline and demographic segmentations (AgeGroup, IncomeGroup) supporting targeted marketing, retention, and product optimization.

Call Center KPI Performance Dashboard — Tableau

- Built an interactive Tableau dashboard automating monthly reporting with LOD expressions, calculated KPIs, and dynamic filters to monitor call-center operations. Analyzed 1K+ call records for resolution rate, talk duration, and satisfaction levels, enhancing reporting accuracy and visibility across teams. Delivered insights showing 70% resolution vs 85% target and mid-week call peaks (Tue–Thu), driving data-driven staffing and service quality improvements.

Real-Estate Data Pipeline & Analytics Platform

- Built a scalable ELT AWS-Databricks data pipeline processing 300K+ real-estate records, automating workflows that cut manual handling by 70% and boosted performance by 40%. Engineered SQL & PySpark data-quality workflows with profiling, cleansing, transformation, and imputation, and designed an 8-dimension / 3-fact star schema improving OLAP-based revenue and trend analysis by 55%. Developed Databricks SQL dashboards for property pricing, revenue distribution, and yearly growth KPIs, empowering finance and operations teams with faster data-driven decision-making.

Data Prism: AI-Powered Dashboard Generator

- Developed a dynamic web app using HTML, CSS, and JavaScript that transforms raw CSV files into interactive dashboards via the Google Gemini API, enabling instant AI-generated insights. Designed automated Analysis for one-click dashboards, making analytics accessible to all skill levels. Implemented Chart.js visuals with on-click modals explaining data trends and a no-code interface that democratizes data analysis for non-technical users.

Amazon Data Engineering Books Pipeline

- Automated an end-to-end ETL workflow using Apache Airflow and Python to scrape and load Amazon's Data Engineering book dataset, eliminating 100% of manual extraction efforts. Built robust data-cleaning and deduplication routines in Pandas to enhance data reliability and improve downstream analysis accuracy by 30%. Containerized the entire pipeline with Docker, integrating Airflow, PostgreSQL, and pgAdmin for simplified setup.

Flight Booking App Screens — UI/UX Design (Figma – Internship Project)

- Designed 15+ high-fidelity mobile screens (home → payments) for a flight-booking app in Figma, optimized for multi-device responsiveness and accessibility to enhance user experience. Created an interactive prototype simulating booking flows (one-way/round-trip, seat class, traveller count, pricing) that reduced friction and improved first-time usability. Applied a structured UI/UX process (user research → wireframes → visual design → prototyping) and collaborated in live reviews to refine layouts and navigation for developer handoff readiness.