

# Prajwal Guntur Anantha

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## SUMMARY

Data Analytics professional with 2.5+ years delivering production-grade analytics solutions across manufacturing and enterprise systems. Specialized in building end-to-end data pipelines, ML-powered automation, and BI dashboards that drive operational decisions. Proven ability to automate complex workflows and optimize ETL processes at scale.

## WORK EXPERIENCE [2.5+ Years]

### Revvity | Data Analyst/Data Science Intern (Boston, MA)

Sep 2025 – Dec 2025

- Automated historical data extraction using AI Builder and Power Automate, achieving 91% accuracy across 1000+ handwritten formulation PDFs in 5 seconds/document, eliminating 40+ hours of monthly manual entry
- Engineered 7 Excel-based digital forms with VBA macro and data validation logic, formulas, eliminating manual entry errors with real-time email alerts for specification violations
- Built end-to-end data pipeline processing 500+ monthly manufacturing records from Excel forms to SharePoint cloud storage and developed Power BI dashboards providing real-time KPIs and production insights to cross-functional teams
- Validated AI compliance chatbot (Azure AI Search + ChatGPT RAG) through 50+ test scenarios across FDA/ISO/GMP standards and multi-site operations, confirming 93% accuracy before Quality team deployment

### Unisys | Data Analyst (Bengaluru, India)

Sep 2022 – Aug 2024

- Developed SQL-based ETL pipeline for automated document processing, handling PDF uploads, database storage, and retrieval workflows for 10,000+ monthly documents with 99.9% data integrity
- Built PowerShell automation script eliminating 200GB+ monthly log file accumulation, improving system performance by 28% and accelerating data processing across client/server infrastructure
- Led zero-downtime data migrations during version upgrades, collaborating with database teams to maintain 99.9% system availability for production banking operations
- Executed comprehensive API testing using Postman, SOAPUI, and JMeter across Dev/UAT/SIT/Prod environments, validating data integration workflows before production deployment
- Supported enterprise banking platform serving 8 Fortune 500 clients by managing SQL Server databases, optimizing query performance, and reducing incident resolution time by 30%

### Preksh Innovation | ML Intern (Bengaluru, India)

Aug 2021 – Mar 2022

- Developed automated pipe counting system using Python computer vision to eliminate manual counting and prevent theft, achieving 96.6% accuracy on 150+ images
- Designed image processing pipeline implementing edge detection, morphological operations, and blob detection for feature extraction from vehicle photographs

## PROJECTS

### MassDOT | Chelsea Street Bridge Operational Analysis

April – July 2025

- Analyzed 7+ years of bridge lift data to identify patterns and trends
- Developed deep learning models (MLP, TabNet) achieving ±5-minute prediction accuracy for proactive traffic management
- Created interactive Streamlit dashboard with real-time forecasting capabilities, accelerating decision-making by 45%

### Boston Crime Analysis

Jan – March 2025

- Conducted analysis of Boston crime data to identify hotspot areas, discovering 29.2% year-over-year decrease in crime
- Trained ML models (Logistic Regression, K-Means) achieving 87% accuracy for predicting shooting incidents
- Created interactive dashboards using Tableau, GIS mapping, and Data Explorer that visualized crime trends for stakeholders

### Connecticut Home Sales Trend Analysis

Sep – Dec 2024

- Processed 1M+ real estate records (\$424B, 404K+ transactions, 1999-2023), identifying 55% post-COVID market decline
- Designed Tableau dashboard with geographic heat mapping revealing 5-10x price variation across Connecticut regions
- Identified high-value markets averaging \$2M through regional analysis, providing investment strategy recommendations

## EDUCATION

### M.S. | Data Analytics Engineering | Northeastern University, Boston, MA

Sep 2024 - Expected June 2026

Courses: Data Mining & Visualization, Big Data, DBMS, Applications of Artificial Intelligence, Statistical Modeling GPA: 3.9

### B.E. | Information Science and Engineering | Visvesvaraya Technological University, Bengaluru, India

Sep 2018 – July 2022

## SKILLS

### Programming Languages

Python, R, SQL

### Databases & Storage

SQL Server, PostgreSQL, MongoDB, Presto SQL

### Data Tools & BI

PowerBI, [Tableau](#), Qlik, Streamlit, Excel (VBA, Macros)

### Data Engineering

ETL/ELT, PySpark, Data Warehousing, Power Automate, Restful API

### Other Tools

Postman, SOAP API, ServiceNow, Jira, VMware, Git