

# Atharv Vinay Deo

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Experienced data analyst with 3+ years consistently delivering insights across finance, operations, and product domains. Proven track record in driving process improvements, strategic initiatives, and cross-functional collaboration at startups and growth-stage firms.

## EDUCATION

### Drexel University, LeBow College of Business

*Master of Science in Business Analytics (Concentration in Finance)*

Philadelphia, PA

March 2025

### Bangalore University

*Bachelor of Business Administration (Minor in Finance)*

Bangalore, India

November 2021

## EXPERIENCE

### Black Squirrel Collaborative Inc

*Data Analyst*

Philadelphia, PA

April 2025 – Present

- Data Analytics & Strategy:** Led all data initiatives for the startup, including demographic trend analysis using Python, stakeholder reporting via Tableau, and quarterly data submissions for contracts worth 2M+ with the State of Pennsylvania, City of Memphis (MMBC), PBLN, and the CDFI network.
- Assessment Framework Optimization:** Strengthened the BizScoreLine assessment framework used by 1000+ SMBs by refining form logic and validating scoring algorithms in Python, improving scoring accuracy by over 15% and reduced inconsistencies by 30%, enabling better applicant evaluations.
- Data Operations & Quality Assurance:** Managed end-to-end data operations using SQL for a database capturing 100K+ data points, created internal documents, and managed 50+ QA tickets per month via Asana- reducing platform issues by 25% and improving overall data reliability.

### VestedIn

*Data Analyst Intern*

Philadelphia, PA

July 2024 – March 2025

- Loan Analytics & Process Automation:** Analyzed over 1500 loan applications to design and implement a VBA/Excel Macros-based loan qualifier model; established a central data repository that increased processing efficiency, while enhancing reporting accuracy by 15%.
- Stakeholder Reports & Insights:** Built reports and interactive Tableau dashboards to monitor funding criteria and applicant status; improved decision making by reducing reporting lag and increasing accuracy by 20%, enabling timely and targeted funding recommendations.
- Pipeline Performance Improvement:** Conducted year-over-year workflow analysis to identify pipeline delays across loan approval cycle; implemented corrective measures that reduced processing time by over 2 days and increased throughput by 20%, enabling faster turnaround for applicants.

### Sakshi Industries

*Operations Analyst*

Aurangabad, India

June 2022 – June 2023

- Process Optimization:** Spearheaded the transition to biodegradable product lines by conducting compliance analysis aligned with government regulations; leveraged Excel-based inventory analysis to optimize material usage, enhancing resource allocation efficiency and reducing non-compliant inventory risks.
- Production Strategy & Team Management:** Directed a 12-member team, streamlining workflows and increasing annual production output by 15%; supported retention-driven growth through operational reliability and repeat client engagement.
- Sales Impact Modeling:** Designed and executed a project roadmap that reduced per-unit production time by 6 minutes; correlated efficiency gains with an 11% increase in year-over-year sales, driving improved planning and fulfillment speed.

### Awalgaonkar Insurance & Investment Associates

*Financial Analyst Intern*

Aurangabad, India

December 2021 – May 2022

- Market Analysis & Client Insights:** Used Excel to analyze economic trends impacting client portfolios and supported client acquisition strategies.
- Portfolio Management:** Collaborated with a team to manage 8+ portfolios, achieving 7–8% growth over six months.
- Data & Reporting Support:** Conducted statistical analysis in R and updated the lead management system using SQL to improve reporting accuracy.

## SKILLS & CERTIFICATIONS

- Languages:** Python, SQL, R, MS Excel, Macros/VBA, Oracle, Postman
- Tools:** Tableau, Oracle, Asna, Insightly, Postman, Excel, Git, Snowflake, Google Workspace, MS Office
- Fundamentals:** , Data Visualization, Financial Modeling, Portfolio Management, Data Mining, Database Management, Time Series, Regression, Predictive Modeling, Warehouse Management System, Supplier Management, Inventory Management

## ACADEMIC PROJECTS

### Precisely – Managing Wildfire Risks (Capstone)

October 2024 – December 2024

- Developed a wildfire risk classification model using K-means clustering in Python to analyze data from 37,395 properties, integrating GIS data and historical wildfire patterns to optimize insurance premiums. This data-driven approach reduced mismatched risk assessments by 20% providing insights for underwriting precision.

### Navi – Broadband Plan Predictor (Capstone)

July 2024 – September 2024

- Developed a probabilistic model to predict broadband plans using user inputs, leveraging synthetic data and market research to mirror real-world patterns. Implemented a Random Forest Regressor in Python with 85% prediction accuracy and deployed a user-friendly website prototype, reducing mismatched plan selection by 20% with a confidence score of over 80%.