# Ishan Nair

**Blacksburg, Virginia**

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## Education

**B.S. Computational Modeling and Data Analytics** — Virginia Tech, **Blacksburg, Virginia** **Aug 2023 – May 2027**

**A Levels:** Biology, Chemistry, Mathematics — St Christopher's School Bahrain **Aug 2021 – May 2023**

## Experience

**Data Science Intern** — Investcorp, **Manama, Bahrain** **Jun 2025 – Aug 2025**

- Investcorp is a global alternative investment manager with approximately $60 billion in assets under management.
- Explored the feasibility of training machine learning models to perform bank-level reconciliations traditionally completed through manual processes.
- Built Python reconciliation pipelines using Pandas and NumPy to perform record-level matching between the fund accounting system and Investcorp's bank accounts.
- Designed and maintained Power BI dashboards connected to live financial databases, used in finance and line-of-business leadership meetings.
- Applied vibe coding techniques to rapidly prototype, iterate, and refine Python workflows and dashboard logic across reconciliation and reporting tasks.
- Presented the use of vibe coding techniques to the global IT team, highlighting rapid prototyping and iterative development approaches.

**Biomedical Intern** — Gulf Corporation for Technology, **Manama, Bahrain** **Jul 2022 – Aug 2022**

- Worked within a leading Bahraini distributor specializing in medical, pharmaceutical, and consumer healthcare products.
- Assisted with setup, testing, and maintenance of hospital medical equipment in clinical environments.

## Projects

**Financial Reconciliation Automation Pipeline** **2025**

- Built Python pipelines to reconcile financial transaction datasets and automate mismatch detection.
- Integrated validation logic and reporting outputs to support financial review.
- Structured reconciliation results to enable downstream visualization and analysis.

**Financial Analytics Dashboard (Power BI)** **2025**

- Developed interactive dashboards using DAX measures, slicers, and drill-through functionality.
- Enabled cost analysis across business units through dynamic visualizations.
- Connected dashboards to live data sources to ensure up-to-date financial reporting.

**World Cup Prediction Model** **2026**

- Built a predictive model using event-level data aggregated from multiple international tournaments.
- Engineered high-dimensional features including passing network metrics, pressing intensity, expected value differentials, and possession-based indicators.
- Trained a logistic regression classifier to predict top tournament outcomes using normalized and standardized feature distributions.
- Integrated external ranking data and interaction terms to improve model robustness and generalization across datasets.

## Programming Languages

Python, R, SQL, Java

## Certifications

**SQL for Data Science** — University of California, Davis (Coursera)

**Introduction to Java Programming** — LearnQuest (Coursera)