

Anish Kothapalli

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Edison, New Jersey

SUMMARY

Data Science and CS student at Rutgers with experience building Python data pipelines for multi-source data. Focus on data cleaning, testing, version control, and documentation. Skilled in applied modeling and demand forecasting.

EDUCATION

Rutgers University–New Brunswick

B.S. Data Science (Economics Track) / Computer Science

New Brunswick, NJ

Expected May 2028

- Relevant Coursework: Econometrics, Linear Algebra, Data Structures, Software Methodology, Discrete Structures

TECHNICAL SKILLS

- **Core (Data Science):** Python, pandas, NumPy, SQL, R, Jupyter Notebook, Git
- **Methods:** Regression and statistical modeling (econometrics), data validation and benchmarking, geospatial calculations, data pipeline design, quality assurance/testing
- **Additional Engineering:** FastAPI, Flask, RESTful APIs, AWS (Lambda, DynamoDB, S3), JavaScript, React, Next.js, Java, Linux

EXPERIENCE

Contract Software Engineer

KBR (*kbrre.com*)

May 2026 – Present

Metuchen, NJ

- Sole developer on a small contract building a web platform that tracks 24+ commercial and residential assets across 3 states, working independently and turning loosely defined requirements into a working, documented product.
- Built automated data pipelines syncing two live portfolio datasets from Google Sheets, cutting refresh latency from ~150-second timeouts to under 200 ms and eliminating stale-data errors reaching end users.
- Applied disciplined engineering habits throughout: version control, incremental testing across 10+ device configurations, and performance validation (98+ Google Lighthouse score).

Low-Voltage Electronics and Telemetry Member

Formula Buckeyes (*Ohio State Formula SAE*)

Sep. 2025 – May 2026

Columbus, OH

- Collected and cleaned real-time sensor data from vehicle electronics, building pipelines that converted noisy raw telemetry into reliable datasets for downstream analysis and reporting.
- Tested and QA'd data flows from embedded control modules, catching and resolving inconsistencies before data reached engineering stakeholders.
- Documented data flows across vehicle subsystems and collaborated with a multi-disciplinary team to keep everyone working from the same trusted numbers.

Network Administration and Systems Intern

Laksan Technologies

Jan. 2025 – Feb. 2025

Metuchen, NJ

- Supported network infrastructure for 50+ users, maintaining uptime and reliability for daily operations.
- Assisted with access controls and documentation practices, improving system organization and security.
- Contributed frontend refactoring that improved page load performance by roughly 10%.

PROJECTS

VolareVision: Geospatial Route Analysis Pipeline

Python 3.12, FastAPI, pandas

Spring 2026

- Built a Python data pipeline to ingest, clean, and validate large transportation datasets spanning thousands of airport nodes, checking outputs for accuracy and consistency at scale.
- Applied geospatial calculations (distance and routing metrics) to structure raw, messy location data into usable route-level demand metrics served through a REST API.
- Improved query response times through data cleaning, caching, and targeted optimization, and documented the pipeline so it can be re-run reproducibly.

CluelessAI (HackOhI/O 2025)

Python, Flask, React, AWS Lambda, DynamoDB

Oct. 2025

- Collaborated on a team of four to build a full-stack recommendation platform in a 24-hour hackathon.
- Designed and tested backend data flows connecting ingestion from external Pinterest and TikTok APIs, recommendation logic, and the storage layer.

ACTIVITIES & AFFILIATIONS

Honda Talent Cohort Program (Beta Group) – Honda x OSU

Cohort Member: Selected participant in an automotive/mobility industry talent program; contributed to data-driven design discussions on mobility systems alongside engineering professionals.

Jan. 2026 – May 2026

Kappa Theta Pi (Professional Technology Fraternity) – OSU Chapter

Internal Affairs Committee Member: Supported communication and coordination across a 50+ member organization.

Feb. 2026 – May 2026