

SARTHAK CHANDERVANSHI

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LinkedIn

GitHub

Portfolio

Education

Rutgers University

May 2026

Master of Science in Data Science, GPA: 3.92

Camden, NJ

Relevant Coursework: Probability and Statistics, Data Visualization, Applied Data Mining & Machine Learning

Bennett University

June 2023

Bachelor of Technology in Computer Science, CGPA: 8.94

Greater Noida, India

Relevant Coursework: High Performance Computing, AI & ML, Cloud Computing

Work Experience

CarbonSustain

June 2025 - August 2025

Data Development Intern

Berkley, California (Remote)

- Developed a scalable backend infrastructure designed to handle high-volume data from **1,000+** Hedera mainnet projects, leveraging AWS services including **Elastic Beanstalk, Lambda, Cloudfront, S3, Event Bridge** and **Aurora RDS** to build and manage APIs
- Implemented a voting system that stored data on the **Hedera Hashgraph** ledger and generated Merkle root from returned transaction hashes. Developed APIs for cryptographic proof generation and verification, ensuring data integrity and transparency.

Rutgers Wellness Center

February 2025 - Present

Data Analyst (Part Time)

Rutgers Camden

- Optimized healthcare operations by managing structured clinical data related to appointments, check-ins, and patient records for over **4500** students. I collaborated cross-functionally with providers to ensure data integrity and streamline workflows across medical and psychological services.
- Led analysis for the **2023 - 2024 and 2024 - 2025 AUCCCD survey**, extracting and transforming clinical data from **Medicat** into Excel for exploratory analysis, mapped over **80+** survey questions to institutional health data, enabling accurate, insight-driven reporting to support strategic planning and compliance.

ParkPlus

August 2022 - June 2023

Flutter Developer Intern

Gurugram, India

- Unified iOS and Android platforms into a single codebase, integrating REST APIs to streamline data flow and reduce development time by **50%**. Contributed to building data-centric features like **FASTag, Passbook** and **Orders Page**.
- Leveraged user interaction data to design and deploy a gamified in-app feature, increasing user engagement by **45%** and supporting data-driven retention strategies.

Projects

Guide-Target Binding Prediction Model | Python, TensorFlow, Keras, scikit-learn

July 2025 - August 2025

- Built and trained Convolutional Neural Network (CNN) architecture on separate datasets for **19, 20, and 21 nt** guide lengths to address data biases and capture length-specific binding patterns.
- Utilized techniques such as **regularization, batch normalization**, and **attention layers** to optimize the model's performance, achieving a peak accuracy of **84.3%** and an ROC AUC score of **92.4%** on the **21 nt** model.

Stocks Analysis and Visualization | Python, Holoviews, HvPlot, Plotly, Matplotlib

November 2024 - December 2024

- Constructed a scalable data visualization pipeline to analyze **25+** major stock trends (2022-2024), incorporating **data cleaning, EDA**, and **15+** interactive visualizations using Holoviews, Plotly, and Matplotlib.
- Built predictive models using ML/DL techniques (TensorFlow) with **98%+** accuracy. Applied SARIMAX, regression, and Monte Carlo simulations to forecast price trends on **15,000+** data rows via Pandas and NumPy.

Technical Skills

Technical & Analytical Skills: SQL, Python, R, C++, Git, PyCharm, Jupyter Notebook, EDA, Data Visualization, Pandas, Numpy, Matplotlib, Holoviews, HvPlot, Tableau, Excel

Certifications & Soft Skills: [Introduction to Data Visualization with ggplot2](#), [Data Manipulation with dplyr](#), [Intermediate R](#), [Microsoft: Azure Fundamentals](#), [Microsoft: Azure AI Fundamentals](#), [AWS Academy Cloud Foundations](#)

Leadership / Extracurricular

Rutgers Accelerate And Renew Academy (RARA)

November 2024 - August 2025

Student Tutor

Rutgers University

- Supported academic growth for **20+** students (Grades 2-4) by reinforcing core Math and ELA concepts, assisting with homework, and adapting teaching strategies to suit diverse learning styles, fostering both confidence and comprehension.
- Facilitated program expansion from **9** to **20** students by actively onboarding new participants and creating an engaging, supportive environment that addressed both academic and social-emotional needs.