Nikhil Chinchalkar

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EDUCATION

Cornell University, College of Arts and Sciences, Class of 2027   **Ithaca, NY**
Economics Major, Computer Science and Data Science Minor   **GPA: 4.20/4.0**

PROFESSIONAL EXPERIENCE

Novo Nordisk Inc., *Data Analyst Intern* | Plainsboro, NJ   **Jun.- Oct. 2025**
Worked in the Field Incentives and Compensation team on the design of equitable pay for sales performance

- Built an internal dataset to uncover demographic biases in employee payouts using a fixed effects model (scikit-learn)
- Presented insights to business leaders resulting in projected 3% sales improvement for lowest performing 50 territories
- Enhanced SQL data pipelines to automate visualization in Tableau, reducing latency from 2h to 5m
- Redesigned Tableau dashboard UI, resulting in clearer visualizations, 8% increase in CSAT and 6% lower time-on-task
- Placed 3rd out of 80 interns in a business case competition for driving long-term sales growth in the obesity therapy area

Princeton University Research Computing, *Data Visualization Intern* | Princeton, NJ   **Jun.-Aug. 2024**
Advanced work in data visualization designed to aid the Princeton community in high-impact research

- Worked with several multidimensional datasets to create 13 cutting-edge animations and interactive visualizations in R
- Created detailed tutorials on how to reproduce the visuals, forming a 'textbook' on advanced animations in R
- Led an interactive workshop on 'Making Animated Visualizations in R' for 17 researchers from Princeton University

Cornell University Computing and Information Science, *Teaching Assistant* | Ithaca, NY   **Jan.- Present**
Aided students' learning in CS 2110: Object-Oriented Programming and Data Structures (Java)

- Led weekly discussion sessions for 30+ students to reinforce course concepts through interactive Java activities
- Developed course material and aided 100+ students with course assignments in weekly one-on-one consulting sessions
- Facilitated equitable grading of 400+ exams, homework, and quizzes throughout each semester

PROJECTS

Recent projects incorporating a variety of data types to generate advanced models and visuals

New York Times Crossword Clues, *Researcher* | Plainsboro, NJ   **May.-Aug. 2025**
- Designed an immersive, "scrollytelling" front-end for analysis of 10,000+ NYT crossword puzzles (TypeScript)
- Used BeautifulSoup framework to interface data and R to produce animated and user-reactive data visualizations

Campaign Trails, *Project Lead* | Ithaca, NY   **Sep.-Nov. 2024**
- Led a 5-person team that analyzed presidential candidates' campaign visits to predict future election outcomes
- Built a website for findings (JavaScript), earned most unique visitors among Cornell Data Journal articles (1,000+)

NYC Trees, *Researcher* | Princeton, NJ   **Jul.-Aug. 2024**
- Modeled 20 GB of GIS data from NYC 2015 Tree Census in Blender to highlight socioeconomic differences in the city
- Designed a comprehensive online guide for producing dynamic data visualizations in Blender using Python API
- Executed rendering processes on Princeton University's Adroit-Vis HPC cluster; published to Princeton's website

CAMPUS LEADERSHIP

Cornell Data Journal, *President* | Ithaca, NY   **Sep. 2023-Present**
- Created four interactive notebooks detailing the basics of Python, SQL, and R to teach 50+ new student members
- Introduced computer vision, natural language processing, and GIS data concepts to advanced club members
- Delivered teaching personalized to individual member experience, resulted in 50% higher participation rates
- Redesigned club website using React.js, Next.js, and Tailwind CSS, increased monthly viewership by 10% (4,000+)

Big Red Sports Network, *Baseball Analyst* | Ithaca, NY   **Jan. 2024-Present**
- Conducted in-depth analysis of data from Synergy Baseball to gain insights on opposing players for scouting reports
- Utilized R extensively for team batting summary tables, highlighting target players to gain a competitive edge
- Presented research findings and conducted weekly Q&A sessions with Cornell's baseball coaching staff

SPECIALIZED SKILLS

Programming Software: Python (PyTorch, scikit-learn, statsmodels, pandas, numpy, matplotlib), R (ggplot, tidyverse, dplyr), Java, SQL, Tableau, Power BI, JavaScript, Excel (PowerQuery, VBA), Linux Command Line, Git, Microsoft Office Suite