

Tiya Bordia

tiyabordia06@gmail.com | 551-264-3555 | www.linkedin.com/in/tiya-bordia

EDUCATION

Rutgers University | B.S in Computer Science | Data Science | Business Administration
Relevant coursework: Data Structures, Computer Architecture, Basic Statistics for Research

New Brunswick
Sept 2024 - May 2027

EXPERIENCE

Design Research Intern

Jacques Cousteau National Estuarine Research Reserve

May 2025 - August 2025
Tuckerton, NJ

- Engineered an ETL pipeline in Python to clean, transform, and aggregate geospatial datasets into actionable insights for environmental research.
- Utilized ArcGIS Pro to develop an interactive fish movement map, integrating temporal and spatial data for stakeholder analysis.
- Supported project scheduling, progress tracking, and documentation for cross-disciplinary research teams.
- Presented findings to research, policy, and engineering partners, enhancing decision-making through data-driven visualizations.

University Innovation Fellow Leader

Innovation, Design, & Entrepreneurship Academy(IDEA)

Sept 2025 - Present
New Brunswick

- Mentored a cohort of 20 students in innovation, entrepreneurship, and design, guiding project development, research methods, and market strategy.
- Designed and implemented a student-centered curriculum integrating analytics, design thinking, creativity, and entrepreneurship to foster problem-solving and real-world application.
- Increased program visibility and student engagement by 40% through event representation, ambassador outreach, digital marketing management, email campaign development, and targeted content creation.

Break Through Tech

Cornell Tech / Meta

May 2025 - August 2026

- Selected from 1,500+ applicants for a 12-month applied AI fellowship.
- Collaborating with Meta engineers on Finding Dataset Bias using Language Models, leveraging word embeddings and NLP techniques to detect and analyze social bias in datasets.
- Implementing data preprocessing pipelines and experimenting with classification approaches and transformer finetuning (BERT) to evaluate bias.

Frontend Fellowship

Blueprint

Oct 2024 - Dec 2024
New Brunswick

- Learned front-end development using React, TypeScript, JavaScript, HTML, and CSS. Built responsive, interactive web interfaces while mastering skills in React components, state management, and hooks.
- Developed a React-based web application to track stock market information. Key features include real-time stock data, including price, daily highs/lows, and yearly performance, all accessed through third-party APIs.

Product Management

Oct 2024 - Dec 2024

- Collaborated with a cross-functional team to design a connection-building app on Figma.
- Conducted user research and competitive analysis, presenting findings to inform product roadmap and MVP features.
- Iterated on designs through feedback surveys and performance metrics (KPI, engagement, scalability) to drive adoption..

PROJECT

Analyzing Pandemic Responses Project

Dec 2024 - March 2025

- Conducted quantitative research on global COVID-19 policy responses using the Oxford Government Response Tracker.
- Preprocessed and visualized data with Python and Tableau; applied regression analysis to evaluate policy effectiveness.
- Synthesized insights into recommendations on resilience and public policy, demonstrating the ability to translate complex analysis into actionable findings.

Pomodoro-Timer

Dec 2024 - Jan 2025

- Designed and built a productivity timer with Spotify API integration, task management, and customizable user settings.
- Applied UX principles to create an intuitive, multi-device interface focused on engagement and accessibility.
- Iterated features through testing and feedback to refine usability.

NutriPlan

Jan 2025 - March 2025

- Developed a responsive web app that recommends personalized recipes based on ingredients, dietary preferences, and allergies.
- Implemented dietary filters and allergen alerts informed by user needs, ensuring inclusivity and accessibility.
- Designed a clean, user-friendly interface to encourage healthy eating habits.

SKILLS

Languages & Frameworks: Java, Excel, Canva, Figma, Braze Dashboard, Python, React, HTML, CSS

Tools & Platforms: Git, Canva, Figma, Braze Dashboard, GitHub, ArcGIS, XCode

Professional Development & Certifications: Oracle Vector Search, Intro to Generative AI via Udacity, AI Programming with Python, Spanish Seal of Bilinguality

Languages: English, Hindi, Spanish