

Tiya Bordia

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EDUCATION

Rutgers University | B.S in Computer Science | Data Science

Relevant coursework: Linear Algebra, Data Structures, German, Writing for Media, Knowledge and Power

Sept 2024 - May 2028

Stevens Institute of Technology

Relevant coursework: ENGR 116 - Intro to Programming & Algorithmic Thinking

May 2023- July 2023

Mahwah High School

Relevant coursework: AP Calculus, AP Computer Science A, AP English Language, AP US History

Sept 2020 - June 2024

EXPERIENCE

COVID Information Commons

Analyzing Pandemic Responses Project

New Brunswick
Dec 2024 - Present

- Analyzed government policy responses using the Oxford COVID-19 Government Response Tracker (OxCGRT) dataset.
- Preprocessed and visualized data with Python and Google Colab to uncover policy effectiveness.
- Developed a final project with data-driven insights, contributing to global pandemic policy discussions.

IDEA Expeditions CliMit Fellow

Innovation, Design, & Entrepreneurship Academy

New Brunswick
Sept 2024 - Present

- Participated in interdisciplinary experiences focused on research, design, and entrepreneurship to develop solutions for climate challenges using emerging technologies like Artificial Intelligence (AI) and Geographic Information Systems (GIS).
- Collaborated with StewardGreen and the Somerset County Park Commission on applying drone technology for climate resilience.
- Engaged in weekly design workshops, climate tech product development, and pitch presentations, including ScarletPitch 2025.

Blueprint

Frontend Fellowship

New Brunswick
Oct 2024 - Dec 2024

- 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 with price, daily highs/lows, and yearly performance using third-party APIs.

Product Management

- Collaborated with a team to design and develop a connection-building app that facilitates meaningful interactions through shared interests and hobbies.
- Performed user research and analyzed market trends to derive actionable insights, utilizing data-driven feedback surveys to refine the product.

Introducing Generative AI with AWS

Student

Remote
June 2024 - July 2024

- Mastered AI/ML fundamentals, including models, approaches, and ethical implications, focusing on LLMs and transformer architectures.
- Capstone Project: Fine-tuned and deployed the LLaMA-2 7B model on AWS SageMaker to generate domain-specific financial text, utilizing a financial dataset for real-time inference and performance evaluation.

Camp Invention

Camp Leader

Mahwah, NJ
Summer of 2021, 2022, 2023

- Facilitated engaging activities at Camp Invention that fostered the development of STEAM and communication skills in children. Focused on nurturing creativity, problem-solving, and teamwork through hands-on projects.

PROJECT

Pomodoro-Timer

Dec 2024 - Jan 2025

- Developed a Pomodoro timer app aimed at boosting focus and productivity. Built with React, HTML, CSS, and JavaScript, the app offers a sleek and intuitive interface with customizable timer settings. It includes a selection of backgrounds to create the ideal study atmosphere, Spotify integration for study music, and a task manager to help users stay organized. These features work together to optimize time management and ensure consistent productivity during study sessions.

SkinSense - HealthHacks

Oct 2024

- An advanced tool leveraging image recognition technology to screen patient-uploaded photos and accurately identify skin conditions. Our primary focus is detecting MonkeyPox, utilizing two specially trained models to analyze skin conditions further and provide users with reliable information. SkinSense empowers individuals to seek medical advice more quickly, enhancing healthcare accessibility and supporting effective public health responses. Physicians also benefit from SkinSense, as it helps them rapidly narrow potential patient diagnoses. (Awarded \$250 in a hackathon with over 250 participants)

ADDITIONAL

Technical Skills: Java, Jupyter Notebook, Excel, Canva, Figma, Braze Dashboard, Python, AWS SageMaker, React, HTML, CSS

Professional Development & Training: Intro to Generative AI via Udacity, AI Programming with Python, Customer Engagement Skills Badge, Spanish Seal of Bilingualism

Affiliations: Women in Computer Science (WiCS), IDEA, Blueprint