

Isha Shrivastava

8482478904 | isha.shrivastav8@gmail.com | <https://www.linkedin.com/in/isha-shrivastava/>

EDUCATION

Rutgers University – New Brunswick

B.S. in Computer Science and Data Science

- Relevant Coursework: Discrete Math, Data Structures, Computer Architecture, Calculus, Linear Algebra, Computer Algorithms, Artificial Intelligence, Statistical Inference, Database Management

Graduation: May 2027

Douglass Residential College

EXPERIENCE

Rutgers MBS Externship

Jan 2025 - Present

tenXclinical

- Streamlined clinical trial document creation by creating a curated knowledge base, enabling standardized, ready-to-use templates that improve accuracy and accessibility for international clinical trial researchers.
- Enhanced decision-making, template creation, and compliance with intelligent automation from an experienced team that understands clinical trial operations.

Computer Science Research Intern

May 2024 - Sep 2024

Project SUPER - Rutgers University

- Conducted mathematical proofs to evaluate accuracy bounds for a modified counter-based space-savings algorithm, designed to identify the most frequent items in a data stream within a constrained memory and compute budget.

Computational Chemistry Research Assistant

Feb - May 2024

Rutgers University Department of Chemistry and Chemical Biology

- Visualized complex proteins from the Protein Data Bank using VMD software and logged entries in a lab notebook
- Attended bi-weekly workshops to understand of how Python, Shiny, and AI tools like AlphaFold are applied.

PROJECTS

Data Prediction Challenge | IBM Watson Studio, R-Studio, Jupyter Notebook, Excel

Dec 2024

- Utilized R-Studio to analyze training data with attributes such as student scores, attendance, and class participation, to predict letter grade outcomes.
- Leveraged IBM Watson Studio's AutoAI capabilities to identify and apply optimal algorithms for predicting grades on testing data, refining R code with generated Python scripts.
- Cleaned and organized datasets using Excel to streamline analysis and improve data usability.

Global Climate and Agriculture Analysis | R-Studio, Kaggle

Sep - Nov 2024

- Analyzed a dataset on global climate and agriculture using R-Studio, identifying the most impactful patterns.
- Applied statistical techniques such as hypothesis testing, confidence intervals, and Bayesian analysis.

Hindi USA Virtual Assistant | IBM watsonx Assistant, IBM Cloud

Jun 2020 - Jan 2023

- Designed and implemented a conversational AI virtual assistant for the non-profit organization HindiUSA.
- Facilitated access for over 4,000 teachers, students, and parents to get instant information about their schools.

LEADERSHIP AND VOLUNTEERING

Association of Indians at Rutgers | Historian

May 2024 - Present

- Documented club activities by capturing event photos and videos, maintaining an organized archive, and collaborating with social media chairs and graphic designers to create promotional timelines of club milestones.
- Worked to promote and preserve Indian culture at Rutgers University by organizing events, including socials and formals, that foster connections among Indian organizations and enhance their visibility to the student body.

Hack4Impact | Marketing Director

Dec 2024 - Present

- Collaborated with campus organizations to plan collaborative events that align with Hack4Impact's mission of empowering nonprofits through technology, designed engaging social media content, and managed the website.

TECHNICAL SKILLS

Languages: Java, Python, C, R, SQL, JavaScript, HTML, CSS

Developer Tools: Slack, Github, MS Office, WatsonX, R-Studio, PowerBI, SQLite, React, Git, OpenAI, PowerBI, MongoDB, Jira, OpenShift, Jupyter Notebook