

Ishitha Singh Kanoj

Newark, NJ | ik347@scarletmail.rutgers.edu | (732) 666-5173 | linkedin.com/in/ishithaskanoj | github.com/isk2005

PROFESSIONAL SUMMARY

Computer Science student at Rutgers University with hands-on experience in statistical analysis, data wrangling, and machine learning applied to real-world datasets. Proficient in Python, R, and SQL, with project work spanning algorithmic bias auditing, regression modeling, and hypothesis testing. Seeking data science or ML internship opportunities across any industry.

EDUCATION

Rutgers University – Newark

Newark, NJ

Bachelor of Science in Computer Science.

May 2027

Relevant Coursework: Machine Learning & AI, Statistics & Machine Learning, Data Structures & Algorithm Design, Database Management, Operating Systems, Measurement & Testing

EXPERIENCE

Orientation Leader

Jun. 2024 – Aug. 2025

New Student & Family Programs, Rutgers University–Newark

Newark, NJ

- Mentored 100+ incoming students through orientation programming, serving as a peer resource for academic and campus life questions.
- Collaborated cross-functionally with faculty, staff, and student services to coordinate logistics and ensure a smooth onboarding experience.

Event Coordinator, Girls Who Code

Fall 2024 – Spring 2025

Rutgers University–Newark

Newark, NJ

- Managed room reservations and coordinated weekly meeting logistics for a student tech organization promoting gender equity in computing.
- Drafted and published digital communications to the Rutgers online community to drive event awareness and club membership growth.

Lead Prototyper, Capstone Challenge

Mar. 2024 – Apr. 2024

Braven – Rutgers University

- Led cross-functional prototype planning and user testing sessions; coordinated team meetings to finalize deliverables before the Capstone Presentation.

PROJECTS

Statistical Analysis Portfolio

Fall 2024

R, RStudio, Statistical Testing, Regression Modeling

- Applied permutation tests, t-tests, and chi-square tests to validate hypotheses across domains including EV performance and behavioral psychology.
- Built and compared linear regression models to identify Airbnb price drivers; evaluated model performance using R-squared, RMSE, and AIC.
- Conducted end-to-end exploratory data analysis, data wrangling, and visualization to uncover feature distributions and relationships.
- Applied bootstrapping and stratified sampling to estimate confidence intervals and simulate sampling distributions.

Algorithmic Bias Audit – COMPAS Dataset

Spring 2024

Python, Pandas, NumPy, Jupyter Notebook

- Performed end-to-end data wrangling on a 60,000-row recidivism dataset; engineered features by parsing dates, calculating ages, and encoding categorical variables.
- Resolved one-to-many relational integrity issues by grouping patient identifiers; segmented data by risk type (Recidivism, Violence, FTA) for targeted analysis.
- Generated cross-tabulations of demographic variables vs. risk scores to surface and quantify predictive bias by gender.

Full-Stack Web Application | CodePath Capstone

Summer 2025

HTML, CSS, JavaScript, Node.js, Express.js, Git

- Designed and built a responsive full-stack web application as the capstone for a 10-week intensive CodePath software engineering program.
- Engineered a dynamic front-end using HTML, CSS, and JavaScript; implemented a back-end with Node.js and Express.js to handle HTTP requests and RESTful API routes.
- Managed source control with Git and followed Agile sprint methodology across the full development lifecycle.

CERTIFICATIONS

- CodePath – Intro to Web Development (2025)

SKILLS

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

Frameworks & Libraries: Pandas, NumPy, Node.js, Express.js

Developer Tools: Jupyter Notebook, RStudio, Git, VS Code

Concepts: EDA, Regression Modeling, Statistical Testing, Data Wrangling, Machine Learning, Agile Methodologies, REST APIs