

# Ketan Honrao

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## SKILLS

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**Technical Skills:** SQL, Excel, Tableau, Power B.I., Python, R, Data Analysis, Data Cleaning, Data Management

**Tools and Software:** Jira, Confluence, MS Office Suite, SAS

## WORK EXPERIENCE

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### Green Bank Observatory / Rutgers MBS Externship Exchange

New Brunswick, NJ

Extern Team Lead

January 2023 – May 2023

- Led a team of 3 students in conducting surveys and analyzing data on potential radio frequency interference (RFI) mitigation algorithms to standardize at the observatory
- Conducted extensive research into over 40 scientific articles related to RFI and developed a comprehensive database of 30+ mitigation techniques, used to inform future mitigation efforts at the observatory
- Crafted an interactive dashboard in Excel highlighting the team's top 5 key insights and effectively communicated findings to observatory staff and external stakeholders

### Signify (Philips Lighting)

Bridgewater, NJ

Pricing Analyst Intern

September 2022 – November 2022

- Supported Sales and Marketing teams with Pricing Analysis
- Mined actionable information from product sales data and achieved a 10% increase in unrealized revenue for the month
- Cleaned and processed raw data and created relational databases to connect customers, sales, and order line data to generate insights and fulfill business requirements
- Utilized Power B.I. to build visualizations that showcased price changes for several products over time and potential ways to reduce costs by 8-10%

### K. Hovnanian Companies

Matawan, NJ

Business Systems Analyst Intern

June 2022 – August 2022

- Accelerated the continuous improvement of current software system capabilities through error testing
- Modified application interfaces to simplify user experience by collaborating with software developers
- Captured business requirements for current business re-engineering projects
- Queried 450,000+ rows of data using SQL and Power B.I. and reported on findings
- Analyzed over 12,000 items, used Excel functions to transform data, and built pivot tables and visualizations

## EDUCATION

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### Rutgers University | Graduate School of Business

New Brunswick, NJ

Master of Business and Science

Expected May 2024

Analytics | Business Intelligence & Analytics

### Rutgers University | Business School

New Brunswick, NJ

Bachelor of Science

May 2023

Major in Business Analytics and Information Technology

Cumulative GPA: 3.6/4.0 | Dean's List 2020 - 2023

## PROJECTS

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### Database Management & Analysis – Excel, SQL

- Analyzed changes in bee colony populations in the past 10 years by constructing a relational database using data from the US Department of Agriculture. Cleaned raw data, created tables, and queried the database using MySQL and Excel for data analysis.
- Discovered 12% decrease in honeybee colony population from 2012 - 2017, subsequently increasing honey prices by 35%

### COVID-19 Data Exploration – SQL, Tableau

- Queried Covid-19 cases and deaths data around the world and analyzed locations, countries, and continents in regard to infection rate, death rate, and change in case/death rate over time

### Amazon Web Scraping - Python

- Built a Python web scraper bot for Amazon that scans product info pages daily, updates an Excel spreadsheet with product information and price changes, and sends email alerts if items go on sale or drop below a certain price.