

PRATEEK ABBI

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Education

University of Florida, M.Sc

Computer Science, **GPA: 3.76**

Jan 2023 – Dec 2024

Gainesville, FL, USA

Amity University, B.Tech

Computer Science, **GPA: 3.13**

Jul 2019 – Dec 2022

Noida, UP, IND

Relevant Coursework

- Advanced Data Structures
- Database Management Systems
- Intro to Data Science
- Software Engineering
- Fundamentals of Data Analytics
- Data Engineering

Experience

MindKind

Feb 2025 – Present

Software Engineer Intern

Westminster, CA

- Developing secured **REST APIs** using **Node.js**, **Typescript**, and **Firebase**, improving system efficiency, scalability, and APIs security.
- Design and manage **Firestore database schemas**, ensuring efficient data retrieval and seamless integration with backend services.
- Developed **responsive** and **reusable UI** components using **Next.js**, **TypeScript**, and **Shadcn/UI**, enhancing **code reusability** and user experience.
- Collaborating with the team using **Git** for version control and **Slack** for communication, ensuring smooth development workflows and timely updates.

Projects

Cyclistic Case Study | *R, Data Analysis, Data Visualization* | [Github Repo](#)

Feb 2025

- **Analyzed** 12 months of Cyclistic bike-share data (over **5 million** trips) to identify key differences in **usage patterns** between casual riders and annual members.
- Developed **data visualizations** using **R**, uncovering that 30% of users commute daily and that 8% use assistive options, informing **targeted marketing strategies**.
- Uncovered peak usage times and trip durations, showing that casual riders prefer weekends and longer leisure trips, while members ride on weekdays for shorter commutes.
- **Presented insights** to guide marketing strategies aimed at converting casual riders into annual members, supporting a **data-driven marketing approach**.

Data Processing and augmentation | *Python, GCP, SQL, Data Analysis, Pytest* | [Github Repo](#)

Jan 2024 – Apr 2024

- Extracted and reformatted over 400 Norman Police Department incident summaries using **Object Oriented development**, **SQL**, and **regular expressions** as part of a comprehensive data pipeline.
- Redacted sensitive information (addresses, phone numbers, names) and **augmented data**, enhancing data privacy and utility by 30%.
- **Analyzed** weather conditions, incident timings, and ranked 100+ locations and incident types by **integrating Google's Maps API via GCP** resulting in a 20% enhancement in **data analysis** accuracy.
- Ensured **robust code** performance by following **test-driven** development with **pytest**, which led to a 15% reduction in debugging time and improved the reliability of **data processing applications**.

Technical Skills

Languages: Python, Java, JavaScript/TypeScript

Software Development: Django, Node.js, Express.js, React.js, Next.js, HTML5/CSS3

Data Analysis: Tableau, Excel, R, Google Analytics, SQL

Database Management: MongoDB, PostgreSQL

Cloud Technologies: AWS, GCP, Firebase

Tools: Postman, Cursor AI, Git Version Control, Vim, Slack

Certificates/Badges

[Google Data Analytics Certificate](#), [Data Analysis with R programming](#), [The joy of computing using python](#), [AWS Academy Cloud Foundation](#), [Leetcode 200 Days Badge](#)