

PRATEEK ABBI

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Education

University of Florida, M.Sc

Computer Science, **GPA: 3.76**

Aug 2023 – Dec 2024

Gainesville, FL, USA

Amity University, B.Tech

Computer Science, **GPA: 3.13**

Jul 2019 – Jul 2023

Noida, UP, IND

Experience

MindKind

Software Engineer, Intern

Feb 2025 – Present

Westminster, CA

- Led a team to develop backend **APIs** using **Node.js**, **Typescript**, **Firebase Functions**, and **Object Oriented programming**, ensuring **efficient integration** with multi-vendor environments.
- Identified and **debugged** API security issues, reducing **unauthorized access** attempts by approximately 40% through the implementation of **authentication protocols (OAuth)** in a production-level application.
- Built **10+ reusable frontend components** in **Next.js** and **Typescript**, **optimizing application performance** by 25% through effective use of **local storage** and **caching**.
- Collaborated daily via **Slack**, **GitHub**, and **Notion** to deliver **continuous improvements**, ensuring seamless integration and rapid deployment cycles within early-stage startup constraints.

UnFluke

Software Engineer, Intern

Apr 2022 – Aug 2022

Remote

- Built and integrated **RESTful APIs** leveraging **agile** methodologies in a **fast-paced environment**, achieving a 40% improvement in the processing speed of the **Node.js** application.
- Leveraged **GitHub** and **Slack** to collaborate with the **front-end development** team on **React.js**, **Material UI**, **React Redux**, and **React Bootstrap**, enabling the efficient processing of over 1 TB of stock data.
- Accomplished interaction with 1TB of stock data by processing 75K+ rows using **MongoDB (NoSQL)** and **PostgreSQL (relational databases)**.
- Maintained and managed the website on an **AWS EC2** instance using the **AWS SDK**, reducing downtime by 25% and improving overall performance.

Projects

E-Commerce Application | *Typescript, Next.js, MongoDB, Tailwind, Node.js* | [Store](#) | [Admin](#)

Jan 2025

- Developed a **full-stack** e-commerce platform using **Next.js** and **Tailwind CSS**, implementing over 10 dynamic pages for product browsing and purchasing.
- Implemented an admin dashboard with functionalities to manage an inventory of 100+ products, process orders, and oversee user data, enhancing operational efficiency.

Chat Application | *Typescript, Next.js, Redis, Tailwind, OAuth* | [Github Repo](#)

Jul 2024

- Developed a real-time chat application using **Next.js** and **TypeScript**, enhancing user engagement by implementing instant messaging capabilities through real-time data handling.
- Integrated **Google authentication**, increasing user sign-up efficiency by simplifying the login process through secure **OAuth protocols**.

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.
- 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**.
- Developed scalable **Django backend**, streamlining data ingestion and **API integrations**, improving workflow efficiency and application performance by approximately 25%.

Technical Skills

Languages: Python, Java, JavaScript/TypeScript

Software Development: Django, Node.js, Express.js, React.js, Next.js

Database Management: MySQL, MongoDB, PostgreSQL, Firestore DB

Cloud Technologies: AWS, GCP, Firebase

Tools: Postman, VS Code, Git Version Control, Vim, Slack, GitHub Actions