

# Pradhyumna Adusumilli

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## RELEVANT EXPERIENCE

### CRITICAL RIVER

Hyderabad/Pleasanton, CA

Product Development Intern

May 2023–August 2023

- Collaborated with cross-functional teams of over 100 employees and managed team discussions in the development of Prokraya, a cutting-edge procurement automation tool.
- Played a key role in design discussions, feature planning, and implementation, resulting in substantial product enhancements that optimized the procurement process and saved an average of 20 hrs per week.
- Led knowledge-sharing sessions on a weekly basis with the marketing department of 13 employees on procurement automation tools, elevating the collective expertise of the team.
- Directed the testing and debugging initiatives of Prokraya, ensuring robustness and reliability; adeptly integrated user feedback from over 200 users, catalyzing iterative enhancements that boosted user satisfaction and solidified overall product stability.

## PERSONAL PROJECTS

### COURSE SCHEDULER

- Engineered a sophisticated Course Scheduler application in Java, integrating a user-friendly GUI that supports over 1,000 concurrent users and manages data through an SQL database with 10,000+ records.
- Developed a suite of over 50 SQL queries and 25 Java classes, each intricately designed to cater specifically to the nuanced requirements of administrative staff, ensuring precise data handling and streamlined administrative processes.
- Integrated real-time data synchronization in the Course Scheduler, ensuring consistent and up-to-date information across user sessions and enhancing the reliability of the system.

### NBA DATABASE POSTGRESQL PROJECT

- Engineered a relational database for NBA statistics using PostgreSQL and Python, focusing on schema design, normalization, and command-line interface implementation to enhance data handling and user interaction.
- Implemented robust PostgreSQL database functionalities such as dynamic data operations (CRUD), transaction control, and complex queries, improving data accuracy and operational efficiency.
- Led team collaboration using Git for version control, documented development processes, and optimized database performance through comprehensive testing and debugging.

### DJANGO REST API

- Designed and implemented a fully functional Django API, employing Django's ORM and TastyPie library to create a RESTful interface that facilitated CRUD operations within a note-taking application platform.
- Emphasized clean code practices and modular design to ensure future malleability and maintenance, resulting in an API platform with enhanced data processing capabilities, capable of handling data management tasks with high efficiency.

## EDUCATION

### THE PENNSYLVANIA STATE UNIVERSITY

State College, PA

Bachelor of Science in Computer Science,  
GPA: 3.48

May 2024

## SKILLS

Proficient in programming languages including Java, Python, C++, and JavaScript. Skilled in web development using HTML, CSS, React, Node.js, Express, and Ruby on Rails for comprehensive full-stack projects. Experienced with key development tools such as Git, Visual Studio Code, and IntelliJ.