

# Pradnya Bhukan

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## EDUCATION

**Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science**

*Master of Science in Computer Science* August 2021 - May 2023

**Current GPA:** 3.5/4.00

**Courses:** Design Patterns in Java, Cloud Computing, Data Structures and Algorithms, Object-Oriented Design, Programming Languages, Operating Systems, Computer Architecture, Programming for the web, Social Media Data Science Pipeline, Computer Security

**Savitribai Phule Pune University, Maharashtra, India**

*Bachelor's in computer engineering* August 2016 - May 2020

**Cumulative GPA:** 3.4/4.00

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## TECHNICAL SKILLS

**Languages:** JavaScript, Java, Python, C, C++

**Technologies:** ReactJS, Spring Boot, HTML, CSS, Bootstrap, PHP, JSON, NodeJS, ExpressJS, Flask, Kubernetes, Docker, REST API, Web Services, Containers, Microservices, Jenkins

**Data Analysis :** Pandas, NumPy, Matplotlib, PowerBI

**Software and OS:** Git, JIRA, Visual Studio, Eclipse, Android Studio, Linux/Unix, AWS, GCP

**Database:** SQL, NoSQL, MongoDB, Firebase, Oracle Database

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## PROFESSIONAL EXPERIENCE

**Binghamton University, Graduate Grader** | NY, US

September 2022 – December 2022

- Graded 50 assignments & exams per week (graduate & undergraduate) Design Patterns course, ensuring accuracy and attention to detail.
- Provided constructive feedback to 100 students, conducted regular office hours to assist 100 number of students with queries, resulting in improved student engagement and academic performance.

**Oracle, UI Development Intern** | NY, US

May 2022 - August 2022

- Built cloud cost-estimator widget for OCI Media Flow Service, enabling number of users to estimate costs for media streaming/processing projects with 23% increase in cost estimation accuracy.
- Designed interface for OCI cloud cost-estimator widget using OJET and KnockoutJS, resulting in a 46% faster navigation.
- Implemented data communication between KnockoutJS & APEX using APIs, reducing data-transfer time by 37%.
- Developed a feedback project module, resulting in 54% increase in internal feedback for Oracle product features.
- Contributed to an agile development environment using scrum methodologies, completing 3 user stories per sprint, and collaborating with 12 team members for successful project delivery.

**Bahwan Cybertek Tibco, Software Developer** | Pune, India

December 2020 - June 2021

- Collaborated with a UI team to develop the Ministry of Housing website, consisting of 12 number of pages and 34 components.
- Utilized ReactJS to develop website components for property management services in Oman, ensuring a seamless user experience.
- Implemented user-facing features for efficient creation and navigation of applications for each property, resulting in 12% reduction in application creation time and 49% increase in user satisfaction.
- Integrated React frontend with an AWS database using JSON APIs, enabling real-time data updates, and ensuring 14% faster data retrieval.

**Raze Graphics- Aradh Global Books, UI Design Intern** | Pune, India

January 2020 - March 2020

- Collaborated with 3 members to design web pages for Aradh Global Books, resulting in 6 of visually appealing and functional web pages.
- Utilized the HTML, Bootstrap CSS framework to design frontend web page, ensuring responsive user interface across different devices.
- Implemented features for purchasing books & managing checkout, resulting in streamlined checkout processes and improved user experience.

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## PROJECT EXPERIENCE

**Analyzing Sports Insights on Social Media Platforms** | New York, US

August 2022 - December 2022

- Utilized APIs from Twitter, Reddit, and YouTube to collect and clean large amounts of data on user activity and sentiment regarding sports players and events from 2022 Football and Cricket World cup.
- Developed a Python-based analysis tool and conducted statistical analyses to answer specific research questions related to player popularity and abusive content detection.
- Utilized natural language processing techniques to identify and flag potentially abusive content related to World cup on social media platforms

**Cloud Based Shared Game Sessions** | New York, US

December 2021 - February 2022

- Designed and contributed towards a web game application to allow users to virtually play Pictionary together
- Collaborated with a team of 5 and utilized NodeJS, Docker, Firebase, Google Cloud Platform
- Containerized the application and hosted it on Google Cloud Platform, which allowed it to be executable in any environment.

**Real Time Employee Tracker** | Pune, India

August 2019 - May 2020

- Designed and launched a real time tracking system that will track the precise location of the employee
- Collaborated in a team of 3 to utilize Java, Firebase and Android Studio for the project
- Delegated tasks to group and organized the final presentation with solutions to university faculty
- Helped the organization to better manage the resources and increase productivity of employees by 14%