

Priyanka Rao

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EDUCATION

Texas A&M University - College Station, TX
Bachelor of Arts - BA, Computing

Aug 2019 - May 2023

Relevant Coursework:

- Data Structures & Algorithms, Programming Languages, Computer Systems, Database Systems, Programming Studio, Software Engineering, Accessible Computing, Senior Capstone, Computational Data Science, Geographic Information Systems, Geodatabases, WebGIS
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ACADEMIC PROJECTS

Academic & Alumni Tracker (*Software Engineering*)

- Developed an academic performance and alumni web app in a team of six for Squadron Six organization
- Utilized a Ruby on Rails framework with a PostgreSQL backend
- Worked in an Agile environment, involved in design, development, documentation, and testing using rspec
- Achieved > 90% code and test case coverage
- Maintained effective communication with the customer by providing updates to our application every sprint

GymBuddy (*Senior Capstone*)

- Spearheaded the development of a web-based gym management system in a team of four
- Enabled users to reserve gym equipment at a specific date and time and real-time visibility into current gym capacity
- Agile environment with Jira for task management and GitHub for code sharing and 3 2-week sprints
- Utilized React.js for front-end, Python FastAPI for back-end, MongoDB Atlas for database, and AWS for deployment

Rev's American Grill P.O.S. (*Programming Studio*)

- Developed a web point of sales system for Rev's American Grill at Texas A&M in a team of 5
- Implemented web pages (index, customer, server, manager) using HTML, CSS, and Node.js with a PostgreSQL backend
- Utilized agile development with 3 Sprints and 3 SCRUM meetings per sprint
- Implemented keyboard and UI accessibility features which successfully passed WCAG evaluation
- Managed software and code using Jira and GitHub, with a focus on front-end development for the customer page

Detail For Retail (*Database Systems*)

- Developed a retail store business-to-business web app in a team of 5
 - Designed a UI implemented with HTML, CSS and integrated a PostgreSQL database using Python SQLAlchemy
 - Specialized in backend development with implementing CRUD operations and to ensure users don't input invalid data
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SKILLS

- **Programming Languages:** Java, Python (numpy, pandas, scikit, SQLite), R, C++, HTML, CSS, JavaScript (Leaflet.js), SQL, Ruby
- **Frameworks:** ReactJS, NodeJS, Ruby on Rails, Spring
- **Tools:** Visual Studio Code, ArcGIS Pro, Word, Excel, GitHub, Docker, Jira, PostgreSQL, MongoDB, Fast API