

Prajakta Pikale

(217) 200-5065 | Champaign, IL | ppikale2@illinois.edu | [LinkedIn](#) | [Portfolio](#)

EDUCATION

University of Illinois, Urbana-Champaign | Illinois, United States

Aug 2024 - Dec 2025

Master of Computer Science | Graduate Teaching and Course Assistant

GPA: 3.8/ 4

Coursework: Cloud Computing Applications, UI Design, Database Systems, ML for Software Engineering

Vishwakarma Institute of Information Technology | Pune, India

Aug 2017 - May 2021

Bachelor of Technology in Computer Engineering

GPA: 9.49/ 10

EXPERIENCE

Expedia Group | Software Development Engineer

May 2023 – July 2024

- Developed a full-stack **data analytics web platform** enabling **data-driven business decisions**, with an interactive **React** frontend featuring custom-built **data visualizations and dashboards**, including **Tableau** integration, supported by a **Node.js** backend for API management.
- Built an interactive dashboard to visualize core business **KPIs** (e.g. monthly and weekly recurring data) by integrating data into **Material-UI React Table**, developed **data pipelines** for seamless **ETL** processes, ensuring accurate and timely **data integration**, while **saving 10 hours** of manual work per week.
- Designed and maintained **new features** and **APIs**, optimized APIs ensuring response times to stay under **100ms** for real-time insights, and effectively addressed **software bugs** to optimize user experience.
- Automated **GitHub Actions** for CI/CD pipelines, collaborated on version control via GitHub, and streamlined workflows for **code deployment** using **Jenkins**, **Docker** and **Kubernetes**.

Cognizant Technology Solutions | Programmer Analyst

Sep 2021 – Mar 2023

- Contributed to building the **frontend** of a web application for one of the largest Swedish **insurance companies**, streamlining internal team management processes using **React**.
- Implemented **Redux** and **React Hooks** for state management and handled **API calls**, optimizing an API endpoint to achieve a **15% faster** round-trip time.

TECHNICAL SKILLS

Frontend: React, Redux, Next.js, HTML, CSS, Tailwind

Backend: Node.js, Express.js, MySQL, MongoDB, Neo4j, DynamoDB

Languages: C++, JavaScript, TypeScript, Python, SQL

Developer Tools: Git, Jenkins, Postman, Docker, Kubernetes, AWS

PROJECTS

Data-Driven Forecasting and Visualization of Fresh Food Demand | React, Chart.js, Python, MySQL, Django, ML Dec 2024

- Developed a web application using **machine learning** models to **predict** fresh food demand, resulting in a significant reduction in inventory waste by optimizing stock levels and **improving supply chain efficiency**.
- Designed interactive dashboards with **real-time data visualizations**, enabling analysts to track inventory, **analyze demand** patterns, and make **data-driven decisions** for better stock management.
- Implemented secure, role-based access control and **automated alerts** for perishable inventory management.

Quora Clone | React, Redux, Node.js, Express.js, MongoDB

Apr 2024

- Built a full-stack Quora Clone, a **social question-and-answer application** replicating key features of **Quora**.
- Integrated **authentication** using **Nodemailer** and **Passport.js JWT** strategy with **Google Sign-In**.
- Utilized **Context API** and **Redux** for state management, **react-router** for routing, and **React Hooks** for reusable logic.
- Developed **API logic** with **Node.js**, employing **Mongoose** to manage schemas, and perform **CRUD** operations in **MongoDB**.

Fitness Exercise Application | React, Material UI

Jan 2023

- Built and deployed a **React-based Fitness Exercise Application** featuring:
 - Search functionality** for exercises by muscle group or equipment, with **Pagination** for result display.
 - Browsing through **1000+ exercises**, each with detailed information and embedded **YouTube video links**.
- Leveraged **Material UI** for an engaging and responsive **user interface** and **RapidAPI** to fetch data and access API endpoints.