

# PRANAY KUMAR KINNERA

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## EDUCATION

Illinois Institute of Technology, Chicago, IL

Expected May 2025

**Master of Information Technology & Management**, GPA: 4/4

## SKILLS

- **Programming Languages:** Python, Java, Ruby, SQL, C, C#, JavaScript, PHP
- **Frontend Dev.:** HTML, CSS, React, Vue.js, Angular, Bootstrap, TypeScript, Tailwind CSS
- **Backend Dev.:** Node.js, Express, Spring Boot, Django, Ruby on Rails, Microservices, REST, GraphQL, Next.js, Flask
- **Databases:** MySQL, MongoDB, PostgreSQL, SQLite
- **Tools:** Docker, Kubernetes, Eclipse, VS Code, Git, GitHub, Azure, WordPress, NetBeans, Android Studio
- **Proficient In:** OOP Principles, CI/CD, Agile Scrum, DBMS, Azure DevOps, Computer Networks, Selenium
- **Languages:** English, Telugu, Hindi, American Sign Language (Basics).
- **Certifications:** PCAP: Programming Essentials in Python - CISCO, JS Algorithms and DS

## WORK EXPERIENCE

### Senior Software Engineer

LTIMindtree Ltd, Bengaluru, India

October 2022 - July 2023

- Engineered end-to-end scalable web applications in an insurance domain project, leveraging React, Node.js, and Express, cutting down re-renders by 30% through efficient Redux state management.
- Designed and deployed microservices with Node.js and Docker, enhancing system scalability by 40%, improving fault tolerance, and upgrading RESTful APIs and GraphQL endpoints to facilitate 30,000+ concurrent users.
- Boosted database query performance by 50% with PostgreSQL optimizations, advanced SQL techniques, and Redis caching, decreasing response times and enabling efficient real-time data processing.
- Streamlined the CI/CD pipeline through Jenkins and GitHub Actions, cutting deployment cycles by 60% and created a TypeScript-based PoC with Playwright to automate web testing, simplifying QA efforts by 40%.

### Graduate Engineer Intern

LTIMindtree Ltd, Remote

July 2022 - October 2022

- Assisted in the development of server-side rendered (SSR) and static web applications with Next.js and React, achieving a 25% reduction in page load times and improving SEO, while escalating UX through dynamic routing and pre-rendering.
- Collaborated on backend development with Node.js/Express, implementing RESTful APIs, deploying MongoDB for data storage and incorporating JWT-based user authentication, supporting 500+ active users with robust security and scalability.
- Leveraged Docker for containerization, optimizing deployment processes and simplifying error rates by 20% through building middleware to manage API requests.

### Programmer Analyst Intern

Cognizant Technology Solutions, Remote

February 2022 - July 2022

- Teamed with senior developers to hone RESTful APIs using Java and Spring Boot, decreasing response times by 30% through database integration with PostgreSQL and JDBC.
- Refined query performance by 25% through advanced SQL queries and Spring Data JPA, reducing database load and enhancing application speed.
- Enforced security protocols by incorporating Spring Security for user authentication and authorization, ensuring secure access for over 1,000+ users across multiple services.

## PROJECTS

### IgnitED [React, Node.js, Express.js, REST API, GraphQL, MongoDB, Gmail SMTP]

March 2025 – April 2025

- Built an online learning platform with React.js, achieving a 20% improvement in page load times by utilizing React Router for efficient navigation and dynamic component rendering. Designed reusable, modern UI elements styled for intuitive UX.
- Constructed backend with Node.js and Express.js, fabricating REST and GraphQL APIs, MongoDB for data storage, and Gmail SMTP for email notifications. Crafted a custom Course Recommendations API, increasing suggestion accuracy by 30%.

### Game Dimension [React] - [Visit Live Site](#)

February 2025

- Created an interactive gaming platform in React, integrating multiple puzzle and strategy games, leading to a 35% increase in user engagement through a smooth, responsive design.
- Utilized dynamic routing and React hooks to optimize performance, reducing page load speeds by 25% and enriching user interaction across all devices.

### Personal Interactive Portfolio [Vue.js] - [Visit Live Site](#)

December 2024 – January 2025

### Bank Transaction Management Application [JavaFX, XHTML, MVC, SQL] - [GitHub](#)

November 2023 - December 2023

- Engineered a secure & user-friendly JavaFX application using MVC architecture, replicating financial transactions in a banking system and delivering role-based functionalities for users, staff, and administrators.
- Integrated cloud database integration for authentication and transaction storage, responsive GUI for seamless navigation, comprehensive transaction tracking, and real-time balance updates.

### Net Banking Dashboard Design [UI, HTML, CSS, JS] - [Visit Site](#)

October 2024

## VOLUNTEERING

- **ITM Representative**, Student Committee for Research Affairs – Illinois Tech
- **Chicago's Secure XVI Cruise Event** – ISSA