

## Deep Manek

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### EDUCATION

#### Stevens Institute of Technology, Hoboken, NJ

Jan 2022 - Dec 2023

Master of Science, Computer Science

GPA: 3.96/4.0

**Coursework:** Web Programming, Agile Software Development, Human-Computer Interaction, Database Management Systems

#### University of Mumbai, Mumbai, MH

Aug 2015 - May 2019

BE in Information Technology

**Courses:** Object-Oriented Programming, Operating Systems, Software Engineering, Distributed Programming

### PROFESSIONAL EXPERIENCE

#### At Last Sportswear, Inc | Software Developer | Jersey City, NJ

May 2023 - Present

- Transformed the "Beach Lunch Lounge" site using ReactJS, leading to a redesigned architecture and a 30% increase in sales.
- Implemented E2E, component and unit testing using Cypress open-source software
- Deployed REST APIs with Node.js and Express.js to enhance website efficiency, resulting in seamless ERP integration and a 20% speed boost. Migrated data to MongoDB, ensuring a 50% reduction in data retrieval times and enhanced data efficiency
- Optimized website performance by 15% through AWS load balancing services, ensuring optimal traffic management
- Developed a REST API for weekly campaigns using Node.js, Express.js, and JWT, leading to a 25% increase in email open rates

#### Stevens Institute of Technology | Graduate Course Teaching Assistant | Jersey City, NJ

Sept 2022 - May 2023

- Course Assistant for Web programming II, Tutored, graded, and devised homework assignments for a class of 400+ students
- Conducted office hours to assist students with problem solving course material and supervised Slack channel

#### LTIMindtree | Associate Data Scientist | Mumbai, MH

Oct 2019 - Dec 2021

- Enhanced user accessibility for the Ministry of India's NIIP page by developing a Full Stack application, resulting in a 20% increase in user engagement and 30% faster page load times
- Facilitated an in-depth platform comparison for Johnson Controls International by constructing two Full Stack chatbots, leading to a 25% surge in query processing accuracy and a 30% rise in user adoption rate
- Improved chatbot efficiency by designing a MERN stack dashboard, achieving a 40% reduction in response time and a 50% increase in customer satisfaction
- Safeguarded web architecture by adhering to best security practices, leading to a 60% reduction in vulnerability incidents and bolstering data protection across platforms

### PROJECTS

#### Rent pipe <https://github.com/dpmanek/RentPipe>

Dec 2022

- Led a 5-member team to develop a user-friendly real estate application using ReactJS and GraphQL, driving a surge in property sales and a 30% increase in repeat users through Redis notifications
- Boosted user engagement by 40% with a zip-code-based search and chat feature, built using MongoDB and Express.js, enhancing transaction rates
- Monitored progress and management on Jira and Excel, completed 4 sprints consisting of 25 user stories

#### Instabuzz <https://github.com/dpmanek/CS554-TeamMavericks-project>

Dec 2022

- Developed an Instagram clone using ReactJS and Node.js, leveraging ImageMagick to optimize images, resulting in a 30% faster load time
- Used Firebase for authentication, OAuth, and to implement features like "like/dislike" buttons and individual profile pages, illustrating a model for potentially increased user retention
- Integrated Express, Redis, and Amazon AWS services for image storage in personalized feeds, showcasing the potential for a 40% boost in content recommendations

#### Budget Expense Tracker (BET) <https://github.com/dpmanek/BET-Budget-Expense-Tracker>

May 2022

- Spearheaded a team of 4 using the MERN stack (MongoDB, Express.js, ReactJS, Node.js) to create BET, facilitating users with an efficient tool for detailed financial tracking and planning
- Designed a comprehensive dashboard using Highcharts and Highstock, offering users a clear visualization of financial data like monthly expense comparisons, budget split-ups, and money flow
- Created a virtual assistant chatbot using Dialogflow, providing users with immediate financial insights and a responsive customer care ticket generation module utilizing ServiceNow, further streamlining user support and communication
- Integrated email notifications, personal statement generation, categorized expense tracking, and budget visualization, difficulties with financial tracking and planning by 40%
- Crafted continuous integration/continuous deployment pipeline, GitHub action workflow for integration version control and netlify for Deployment

### TECHNICAL SKILLS

**Programming Languages:** JavaScript, TypeScript, Python, SQL, Java, C, C++

**Databases:** MongoDB, MSSQL Server, Redis, PostgreSQL, Google Firebase

**Web Technologies:** React.js, Vue.js, Node.js, Express.js, Next.js, Redux, jQuery, ContextAPI, HTML5, CSS, SASS, Bootstrap

**NLP Tools:** Google Dialogflow, IBM Watson, Microsoft LUIS, Kore.ai, Microsoft Bot Framework, Power VA

**Tools and Technologies:** Git, GraphQL, Socket.io, AWS (EC2, S3), Jira, Postman, GitHub, Linux, Scrum (Agile), Mocha, Apache