**Deep Manek**

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**EDUCATION**

**Stevens Institute of Technology, Hoboken, NJ** *Jan 2021 - Dec 2023*

Master of Science, Computer Science **GPA:** 3.9/4.0

**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* Jan 2023–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.

**ACADEMIC 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