

DEEP MANEK

(201) 241-5648 | Jersey City, NJ | dmanek@stevens.edu | GitHub | LinkedIn | Portfolio

EDUCATION

M.S. Computer Science, Stevens Institute of Technology | Hoboken, USA | 4 GPA Dec 2023

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

B.E. Information Technology, University of Mumbai | Mumbai, India 2015 – 2019

PROFESSIONAL EXPERIENCE

Stevens Institute of Technology – Course Assistant Sept 2022 - Present

- Collaborated with professors to construct lesson plans, assignments, and exams for Web Programming II and Mathematical Foundations for Machine Learning
- Improved overall grades by 27% through individual tutoring and graded assignments, while conducting regular office hours to enhance students' understanding of course material

Larsen & Toubro Infotech - Full Stack Developer Oct 2019 – Dec 2021

- Led a team of 4 to devise a Full Stack application with functionalities including fetching user information, portal navigation, report search, FAQ, Data-Set search, and contact information search for the Ministry of India's [Ministry of Statistics & Programme Implementation] – NIIP page [National Integrated Information Platform] (**Tech Stack – Microsoft Bot Framework, NodeJS, MongoDB, Express, ReactJS**)
- Headed a team of 5 to build 2 Full Stack chatbots leveraging various NLP tools showcasing same use cases to provide an in-depth comparison between Google and Microsoft Bot platform for Johnson Controls International (**Tech Stack – Google Dialogflow, Microsoft Bot Framework, NodeJS, SQL, Express.js, ReactJS**)
- Designed a MERN stack dashboard consisting of various graphic visualizations & statistics about devised chatbots, resulting in a 40% reduction in average response time and a 50% increase in customer satisfaction rating (**Tech Stack – Highcharts JS, Highcharts Stock, Bootstrap, ReactJS, MongoDB, Express, NodeJS**)

ACADEMIC PROJECTS

Instabuzz, Stevens Institute of Technology Dec 2022

- Led a team of five people in creating a dynamic social media platform that, within the first six months of its launch, saw a 50% increase in user engagement and a 25% increase in daily active users
- Designed a profile page for every user, which resulted in a 20% rise in user retention and an extra three posts per user per week on average
- Added a feed page feature with personalized content recommendations, which increased time spent on the platform by 40% and user satisfaction scores by 15%

Tech Stack – ReactJS, Node.js, Express, Firebase Realtime Database & Cloud Storage, Redis, ImageMagick, Bootstrap

Rentpipe, Stevens Institute of Technology Dec 2022

- Spearheaded the development of a full-stack real estate application as part of a 6-member team, resulting in a seamless user experience and an increase in sales
- Implemented a search feature that made it simple for users to find homes for sale in their preferred zip codes, enhancing user engagement by 40%
- Developed and executed a chat feature for price haggling, resulting in 25% increase in profitable transactions, and notification feature for apartment updates, leading to 30% increase in repeat users

Tech Stack – ReactJS, Node.js, Express.js, MongoDB, Material UI, Redis, ServiceNow API, Google Maps API

BET- Budget Expense Tracker, Stevens Institute of Technology May 2022

- Managed a team of 4 to develop a MERN stack application for budget management, resulting in a 30% increase in user engagement and a 20% decrease in user-reported financial stress
- Successfully implemented the landing page and several important features, resulting in a 25% increase in customer support ticket submissions and a 15% increase in positive feedback/review postings
- Integrated email notifications, personal statement generation, categorized expense tracking, and budget visualization, reducing user-reported difficulties with financial tracking and planning by 40%
- Directed the full cycle of application development, from idea to release, ensuring timely delivery of all project deliverables and meeting project goals within the allocated timeline

Tech Stack – ReactJS, Node.js, Express.js, Highcharts JS, Highcharts Stock, Bootstrap, pdfkit, Google Dialogflow

TECHNICAL SKILLS

- Programming Languages/ Runtime Environment:** Node JS, React JS, Vue.js, HTML, SQL, JavaScript, Python
- Database/Tools/Frameworks:** MongoDB, MySQL, Redis, GraphQL, Firebase, VS Code, NetBeans, Postman
- NLP Tools:** Google Dialogflow, IBM Watson, Microsoft LUIS, Kore.ai, Microsoft Bot Framework, Power VA
- Cloud Services:** Microsoft Azure Portal, Google Cloud Platform, Amazon Web Services
- Frontend:** JavaScript, React JS, React Native, Redux, Hooks, HTML, CSS, SASS, Bootstrap, Context API
- Repositories/Servers:** Git, Tortoise SVN, Express JS, Apache, Nginx | **API:** Service Now, High Charts, High stocks

Available for Summer 2023