DEEP MANEK

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EDUCATION

Stevens Institute of Technology   Hoboken, NJ
M.S. Computer Science | Cumulative GPA: 4.0   December 2023

University of Mumbai   Mumbai, India
B.E. Information Technology | Cumulative GPA: 7.2/10   2015 - 2019

Relevant Coursework:

Web Programming I and II, Agile Methods for Software Development, Mathematical Foundations of ML, Knowledge Discovery and Data Mining, Human-Computer Interaction, and Database Management Systems 1

PROFESSIONAL EXPERIENCE

Stevens Institute of Technology - Teaching Assistant   Hoboken, NJ | Sept 2022 - Present
- Collaborated with professors to construct lesson plans and exams for CS554: Web Programming II and CS556: Mathematical Foundations for Machine Learning
- Graded students' assignments and provided individual tutoring sessions resulting in a 27% increase in overall grades for both courses
- Conducted regular office hours to assist students struggling with course material, resulting in improved understanding and comprehension

Larsen & Toubro Infotech - **Full Stack Chatbot Developer**   Mumbai, India | Oct 2019 – Dec 2021
- *Ministry of Statistics & Programme Implementation* - Led a team of 4 to devise a chatbot with functionalities including fetching user information, portal navigation, report search, FAQ, Data-Set search, and contact information search for the National Integrated Information Platform (NIIP)
- *Johnson Controls International* - Collaborated with a team of 5 to build 2 chatbots leveraging various NLP tools showcasing same use cases to provide an in-depth comparison between Google Dialog flow and Microsoft Bot Composer
- *Ecommerce Chatbot* - Executed a full-stack application operating react as front end and consolidated a chatbot with 2 functionalities: Order Management and Complain Management
- *Chatbot Dashboard* - Designed a dashboard consisting of various graphic visualizations & statistics about devised
- chatbots, resulting in a 40% increase in chatbot performance optimization

ACADEMIC PROJECTS

Instabuzz   Stevens Institute of Technology | Sep - 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%
- Maintained a 90% team member satisfaction rate throughout the project while overseeing the entire development process from inception to launch, ensuring prompt delivery of all project deliverables

Rentpipe   Stevens Institute of Technology | Sep - Dec 2022
- Spearheaded to 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%
- Created a chat feature that allows for price haggling between buyers and sellers, which boosted the number of profitable transactions by 25%
- Developed a notification feature, keeping users informed of the latest updates on apartments, resulting in a 30% increase in repeat users

BET- Budget Expense Tracker   Stevens Institute of Technology | Apr - 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
- Created and integrated various functionalities such as email notifications, personal statement generation, categorized expense tracking, and budget split-up visualization, leading to a 40% reduction in user-reported difficulties with financial tracking and planning
- 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

TECHNICAL SKILLS

- **Programming Languages/ Runtime Environment**: Node JS, React JS, HTML, SQL, JavaScript, Python
- **Database/Tools/Frameworks**: MongoDB, MySQL, VS Code, NetBeans, Notepad ++, Postman, Node.js
- **NLP Tools**: Google Dialogflow, IBM Watson, Microsoft LUIS, Kore.Ai, Microsoft Bot Framework, Power VA, Microsoft QnA maker
- **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
- **Caching**: Redis, GraphQL | **API**: Service Now, High Charts, High stocks