DEEP MANEK

(201) 241-5648 | Jersey City, NJ | [dmanek@stevens.edu](mailto:dmanek@stevens.edu) | [GitHub](https://github.com/dpmanek) | [LinkedIn](https://www.linkedin.com/in/deepmanek) | [Portfolio](https://dpmanek.github.io/Portfolio/)

# EDUCATION

**M.S. Computer Science, Stevens Institute of Technology** | GPA: 4.0 December 2023 **B.E. Information Technology, University of Mumbai |** Mumbai, India Jun 2015 – May 2019

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

# PROFESSIONAL EXPERIENCE

***Stevens Institute of Technology – Course 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**  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 -* Headed 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 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%

***Rentpipe,*** Stevens Institute of Technology 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 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
  + **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