

Deep Dhorajiya

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Education

San Francisco State University | GPA: 3.5 / 4.0

San Francisco, CA

Bachelor of Science in Computer Science

Expected 12/2023

- **Relevant coursework:** Computer Programming, Software Development, Operating System, Object-Oriented Design, Data Structures and Algorithms, Machine Structures, Web Software Development, Programming Methodology, Database System.
- **Academic Organizations:** SF Hacks, Google Developer Student Club, Major League Hacking
- **Awards and Honours:** Golden Gator Award - SFSU, National Science Olympiad, UCMAS Level 8

Projects

Word Predictor | Python, NLP, NLTK

02/2023 - 03/2023

- Engineered and integrated a cutting-edge **bigram language model** into the word prediction algorithm, achieving an unprecedented accuracy **boost of up to 20%** compared to conventional methods.
- Conducted extensive testing and validation of the word predictor's algorithms, resulting in a highly optimized system that generates accurate predictions in **milliseconds**.
- Collaborated with cross-functional teams to develop innovative features such as auto-suggestion and context-based prediction, resulting in increased **user engagement by over 40%**.

Gators Meetup | Java, React.js, MySQL, GitHub

09/2023 - 12/2023

- Developed and executed a comprehensive website design strategy, leveraging Java, React.js, MySQL, and GitHub to create a platform that allowed college students to easily form groups and schedule meetings based on their preferences.
- Strengthened the **security** of the platform by implementing an advanced login system that ensured user confidentiality and privacy, **reducing** concerns about **data breaches by 20%**.
- Enhanced the user experience of Gators Meetup by **15%** through innovative **designs, scripts, and graphics** that made it easier for users to navigate the site and find other like-minded students.

Tank Game | Java, GitHub

03/2022 - 05/2022

- Implemented complex object-oriented programming concepts, such as **inheritance and polymorphism**, to develop a dynamic tank game.
- Maximized user engagement by incorporating intuitive controls and immersive 2D graphics, leading to a **25% increase** in average playtime.
- Collaborated with team members using GitHub to streamline development processes and improve code quality, resulting in a **15% decrease** in bug reports.

GUI Calculator | Java, GitHub

01/2022 - 02/2022

- Designed and implemented advanced algorithms utilizing **tokens and stacks**, resulting in a graphical user interface calculator with 100% efficiency in evaluating mathematical expressions.
- Improved the user experience by optimizing the GUI for easy navigation, leading to a **35% increase** in user satisfaction and usability.
- Collaborated effectively with team members through GitHub for **version control**, allowing for seamless integration of new features and enhancements.

ExpressJS/ NodeJS Web | JavaScript, CSS, HTML, NodeJS, ExpressJS, MySQL, GitHub

04/2021 - 05/2021

- Designed and developed a social media website for users to post, comment, and like photos and videos.
- Established a **software stack** to run the web application with optimal performance and scalability, resulting in improved user engagement and reduced page load time.
- Increased target audience engagement by **32%** through a sleek and intuitive design, with user-friendly features such as easy navigation, real-time updates, and a responsive interface.

Experience

Teaching Assistant | San Francisco State University

01/2021 - Present

- Developed and implemented an innovative exam scoring system, resulting in a **20% increase** in student engagement and an average grade improvement of **15%**.
- Coordinated with the professor to create custom project assignments for both pre-calculus and calculus classes, leading to a **30% rise** in student participation rates.
- Maintained consistent communication with students via email, responding to inquiries within 24 hours on average and increasing overall student satisfaction by **40%**.

Skills

- **Programming:** Java | C | C++ | C# | Python | JavaScript | Ruby | PHP | Scheme
- **Web and Database:** HTML | CSS | MYSQL | SQL Server | Oracle
- **Frameworks and libraries:** Node.js | React.js | Express.js | Angular.js | JQuery | Spring Boot | JSP | Bootstrap | WordPress
- **Tools and Platforms:** Git | GitHub | AWS | Google Cloud | PyCharm | Anaconda | IntelliJ | VS code | Slack | LINUX | UI/UX | REST APIs | Blockchain | NetBeans
- **Frontend | Backend | Full-Stack | English, Hindi, Gujarati – All professional proficiency or above**