

Keshav Bhaskarbhai Mehta

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EDUCATION

California State University, Long Beach, CA
Bachelor of Science in computer Science

December 2023
GPA: 3.709

- **COURSEWORK:** Data structure and Algorithms | Object Oriented Application Development | Cyber security Fundamentals | Database Fundamentals | Software Engineering Fundamentals | Software Project Management and Testing | Computer architecture and Organization | Operating Systems | Programing Principles | Machine Learning
- **ORGANIZATIONS:** National Society of Collegiates and Scholars | Association for Computing Machinery

TECHNICAL SKILLS

- Programing Languages: Java, Python, JavaScript, C++, C, C#, Haskell, MIPS, HTML, CSS
- Frameworks and Libraries: Django, React JS, React Native, Node JS, Bootstrap, JPA, Tailwind CSS
- Software/Tools: Git, GitHub, AWS, MongoDB, MySQL, Visual Studio Code, PY charm, Data Grip, Derby, VMware, VirtualBox, Microsoft Office.
- Operating System: Windows, Mac OS, Kali Linux, Ubuntu Linux.

PROJECT EXPERIENCE

Pokémon CLI Game, Java

October 2021- December 2021

- Composed a game application which is a distinct version of Pokémon game that has a unique experience of Pokémon hunting and player battles over an explorative map comprising battle essential items, special Pokémons and gym trainers to give players an experience of role-play and action-adventure game.
- Instrumented critical concepts of object-oriented application development and created a component-based software using design patterns to make game essential entities while following an agile software development methodology.

Evil Twin Attack, Python, HTML, CSS, PHP

September 2022–December 2022

- Created an automated Evil Twin attack software which would monitor individual's internet activity and steal their login information by creating a twin Wi-Fi network and a login webpage hosted on an Apache server.
- Researched on vulnerabilities of 802.11 networking protocol and harnessed them to create a security breach.
- Wrote a python script to create the Wi-Fi network, and used HTML and CSS to make a fake login webpage and connected the page to MySQL database using PHP to store the login credentials.
- Developed unique testing methods to ensure the software works on Mac OS, Windows OS and IOS devices.

Fridge Manager, Django (Python)

January 2023 – April 2023

- Potentially solved every household's food management problem by creating a web based sharable fridge manager application using Django and allowed the users to properly utilize their refrigerators, keep track of expiry dates, and use space efficiently. Added features like push notifications on food expiry, low space alerts, and multi account fridge shareability.
- Used HTML, CSS, JavaScript, Django and MongoDB as the tech stack for this application.
- Provided efficient user interface using HTML, CSS, and JavaScript, used Python for data processing and retrieval, and MongoDB to store refrigerator, and items Accounts data.

Campus Events Socialization Application

January 2023 –present

- Created a native web-based application that aims to enhance student's socialization experience by allowing them to navigate to their favorite events that are happening on campus and keep track of activities posted by their subscribed organizations.
- Created an interactive map of campus that shows real time events that are happening on campus and allows students to get directions to it. Provided Organizations subscriptions and Events notifications sub-system to successfully allow users to never miss events they like.
- Used React Native, Django and MongoDB technology Stack to create this application and additionally used Bcr ypt libraries to provide account security, react native maps APIs for creating maps, and Expo notifications API for push notifications.

WORK EXPERIENCE

College Of Engineering
Computer Science Tutor

Long beach, CA
January 2023 – present

- Providing one-on-one and group academic instructions to students on core and upper-level computer science subjects like, Data structures and Algorithms, Object oriented Programming, Machine Learning, Software Management and testing, Cyber security, and multiple programming languages. Additionally, solving coding problems and providing knowledge related to frameworks-based software development, web technologies, cloud computing and tech stacks.

INTERESTS

- Cloud Computing | Software Engineering | Cyber Security | Artificial Intelligence | Machine Learning | Web Development