

Dhruv Gorasiya

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EDUCATION

California State University Long Beach

May 2024

Bachelor of Science in Computer Science

GPA: 3.6 / 4.0

- **Coursework:** Data Structures & Algorithms | Object-Oriented Concepts and Programming | Database Fundamentals | Machine Learning | Software Project Management and Testing | Operating Systems
- 2x President's List and Dean's List: Recognized for outstanding academic performance.

EXPERIENCE

College Of Engineering – Computer Science Tutor (CSULB)

September 2023 - Present

- Instructed in core and advanced computer science topics, including data structures, algorithms, OOP, machine learning, software management, cybersecurity, and programming languages.
- Expertise in coding challenges and teaching framework-based software development, web technologies, cloud computing, and technology stacks.

BeachEvents (Django, MongoDB, React Native)

January 2023 – Present

- Created a native mobile app for students, featuring an interactive campus map for real-time event tracking and organization subscriptions. Enhanced socialization by ensuring users never miss their preferred events.
- Utilized a tech stack comprising React Native, Django, and MongoDB. Implemented account security with bcrypt libraries, integrated React Native Maps APIs for map functionality, and leveraged Expo Notifications API for push notifications, enhancing the overall user experience.

SKILLS

- **Programming Languages:** Python, Java, JavaScript, C, C++, C#, HTML, CSS
- **Databases:** SQL, PostgreSQL, MySQL, MongoDB
- **Frameworks & Libraries:** Django, Node.js, React JS, React Native, jQuery, NumPy, Matplotlib, Bootstrap, ORM (JPA)
- **Software/Tools:** Git, GitHub, AWS, VS code, PyCharm, Data Grip, IDLE, MS Office, Apache Derby, VMware
- **Operating System:** Windows, Mac OS, Linux

CERTIFICATIONS

- [The Complete 2022 Web Development Boot camp](#)
- [Python and Django Full Stack Web Developer Bootcamp](#)

PROJECTS

Fridge Manager (Python (Django), MongoDB, HTML, CSS, JavaScript)

- Created a Django-based web app to optimize refrigerator space, track expiry dates, and improve food organization. Features include food expiry alerts, low space notifications, and multi-account sharing.
- Crafted an efficient user interface through HTML, CSS, and JavaScript while employing Python for data processing and retrieval. MongoDB was utilized to store refrigerator and item accounts data, ensuring seamless functionality and user-friendly experience.

Keylogger – malware (Python)

- Created a keylogger using Python which records the keystrokes of the user and sends it to the attacker through email.
- Made the application work exactly like google chrome and hid the keylogger behind chrome application.
- The application sends the email of every 100 saved keystrokes to the attacker and the application cannot be stopped unless the computer shuts down or force stopped.

Pokémon – Command line Game (Java)

- Developed a Command Line Pokémon game with a narrative that allows players to traverse the map, land in various locations, engage in combat with other players' Pokémon, and capture new Pokémon.
- Developed in Java programming language, utilizing various design patterns such as Singleton and Decorator to add random Buffs and Debuffs for trainer's and Opponent Pokémon. Applied factory method to generate Pokémon of different type.
- Applied class relationships like Inheritance, Polymorphism, Dependency and Aggregation to make the program efficient and added error handling features for easy debugging.