CHINMAY DANDEKAR

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Education

Bachelor of Engineering in Computer Science — **Sep. 2019 – May 2023**
Mumbai University — *Mumbai, Maharashtra*
CGPA - 8.64 / 10

Experience

Techknit Industries — **Dec 2023 – Present**
Next JS Developer Intern — *Mumbai, Maharashtra*
- Spearheading the development of stock market analysis-based games, showcasing innovation and technical proficiency.
- Implemented **Cron scheduling** through Next.js serverless functions for **efficient** gameloop execution, **optimizing computation time** and **reducing operational costs** compared to conventional server setups.
- Engineered a comprehensive dashboard providing administrators with **real-time insights** into user activity and game performance, featuring **dynamic rule** adjustments reflected instantaneously in the games.
- Utilized data visualization techniques, including charts and graphs, to enhance the dashboard's functionality and facilitate informed decision-making processes.
- Leveraged **AWS S3 bucket** for secure and scalable data storage, ensuring robust data management and accessibility for the applications.

Projects

Portfolio Website | *Next Js, Tailwind CSS* — **September 2023**
- Created a tailored portfolio website to demonstrate my proficiency in **Front-end development** and effectively convey my personal background and qualifications.
- Utilized **Next.js and Tailwind CSS** technologies, complemented by libraries such as **Framer Motion,** to craft a dynamic portfolio website with seamless animations and transitions.

Password Manager | *Python, Django, Postgre SQL* — **March 2021**
- Designed and developed a Password Manager application utilizing **Python** language and the **Django** framework.
- Implemented **AES algorithm** for robust encryption, ensuring secure storage of user passwords and documents on a cloud server.
- Empowered users to securely store and access their important passwords and documents from any location, providing convenience without compromising on security.

Encrypt It (GUI) | *Java, Java Swing* — **January 2021**
- Created "Encrypt it GUI," a comprehensive software solution written in Java, facilitating encryption and decryption of **files, audio, video, and text.**
- Implemented **AES 128, AES 256,** and **DES** encryption algorithms for robust **data security**.
- Incorporated a unique feature enabling encrypted files to be given **custom extensions** while retaining the original file extension during decryption, enhancing **usability** and **file management**.

Technical Skills

Languages: JavaScript, HTML/CSS, Python, Java, C, SQL, NoSQL
Developer Tools: VS Code, Google Cloud Platform
Technologies/Frameworks: Next Js, Tailwind CSS, AWS, React Js, Node Js, GitHub, Figma,

Achievements

Smart India Hackathon Grand Finalist — **August 2022**
- Designed an innovative mobile app enabling users to capture images of nearby water sources and analyze water quality using image processing algorithms
- Generated comprehensive water quality reports, including Water Quality Index and key parameters such as density, turbidity, and suspended solids, enhancing accessibility to vital environmental information

Megahack 3.0 Hackathon 2nd Runner Up — **April 2023**
- Secured 2nd runners-up prize in Megahack 24-hour hackathon as a key member of the team
- Developed "Aqua Bot," an autonomous boat equipped with cameras and machine vision capabilities to detect and collect floating trash from its surroundings.
- Demonstrated innovation and environmental consciousness by addressing water pollution challenges through technological solutions.