

Dhrub Walia

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PROFESSIONAL SUMMARY

Ambitious BSc IT student (CGPA: 9.05) with expertise in **C++**, **Solidity**, and full-stack development. Proven ability to design scalable solutions using **blockchain**, **smart contracts**, and **ML models**. Developed 3 end-to-end projects emphasizing security, efficiency, and user experience.

EDUCATION

- **Model College (University of Mumbai)** Dombivli, India
BSc in Information Technology; CGPA: 9.05/10 *June 2022 – May 2025*
 - **Relevant Coursework:** Data Structures, Algorithms, Database Systems, OOP, Blockchain Fundamentals
- **Sushila Devi Deshmukh Vidyalaya & College** Mumbai, India
Higher Secondary (12th Grade); Score: 75% *2021*
- **St. John High School** Mumbai, India
Secondary (10th Grade); Score: 73% *2019*

TECHNICAL SKILLS

Languages: C++, Solidity, Python, JavaScript
Web Technologies: React.js, Django, Web3.js
Databases: MySQL
Blockchain: Smart Contract Development (Solidity), Ethereum, Ganache, Truffle
ML/AI: VGG-19, TensorFlow/Keras, Data Preprocessing
Tools: Git, Ganache
Concepts: OOP, Algorithms, File Management, Decentralized Applications

PROJECTS

- **Skin Assist: AI-Powered Skin Disease Detection:** Developed Django web app detecting 10+ skin diseases with 95% accuracy using fine-tuned VGG-19 model. Implemented healthy skin verification and geolocation-based dermatologist finder reducing search time by 70%. Built NLP chatbot handling 200+ daily queries.
Technologies: Python, Django, VGG-19, Machine Learning
- **Decentralized Voting System:** Engineered tamper-proof election smart contracts in Solidity deployed on Ethereum testnet. Created React frontend with real-time vote tracking processing 1,000+ votes with zero discrepancies, reducing tallying time by 90% vs manual systems.
Technologies: Solidity, React.js, Web3.js, Blockchain
- **Employee Management System:** Designed file-based storage system handling 10,000+ records with $O(\log n)$ search algorithms. Prevented duplicates using hash-based verification improving data integrity by 100%.
Technologies: C++, OOP, File Handling

INTERESTS & HOBBIES

Competitive Programming · Cricket Strategy Analytics · AI/ML Research