

Harsh Manoj Sharma

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Education

California State University – East Bay – Hayward CA

Master of Science in Computer Science : GPA : 3.7

CA, USA

08/2023 - 04/2025 (Expected)

ADCET

Bachelor of Technology in Computer Science and Engineering : GPA: 8.65.

INDIA

2019 - 2023

Technical Expertise

- **Programming Languages** | Adept in: C, C++, Python, R ,Java
- **Web Development** | Proficient in: HTML, CSS, JavaScript, PHP
- **Android Development** | Skilled in: Flutter (Dart)
- **Machine Learning** | Expertise in: Regression, Classification, Clustering, scikit-learn, OpenCV , Model Evaluation
- **Data Analysis and Visualization** | Tools: PowerBI, Streamlit, Tableau, Dash
- **Known Technologies** | Blockchain , Distributed computing ,Cloud computing, Smart contracts , Linux , GCP

Certifications

- **Machine Learning Certification | SkillVertex | 2022**

Internship's

Suven Consultancy, INDIA

- Designed and managed website front-end, ensuring user-friendly and responsive interfaces using HTML5 and CSS3. Achieved optimal performance and compatibility across various browsers and devices.
- Collaborated closely with designers and UX/UI specialists to create visually appealing and intuitive interfaces.
- Implemented CSS modules to simplify development and enhance site responsiveness.
- Conducted rigorous testing and debugging to identify and resolve compatibility challenges across different browsers and platforms.

5techGLabs Pune, INDIA

- Worked as a Junior Android Developer at 5techGLabs Pune, contributing to the development and maintenance of Android applications using Flutter (Dart).
- Participated in the entire software development lifecycle, including requirements gathering, design, coding, testing, and deployment. Ensured feature implementation adhered to established coding standards and best practices.
- Played a vital role in identifying and resolving software defects, ensuring optimal application performance.
- Independently executed large-scale data extraction from MySQL databases using Python scripting, emphasizing efficiency and speed.

Projects

- **Savvy – Virtual Assistant** | Role: Project Lead | Tools Used : Python, pyttsx3, pynput, pywhatkit, pyautogui ,PyQt5

Achievements: Spearheaded the development of Savvy, a desktop-based virtual assistant, employing Python and Python frameworks (speech recognition, pyqt5, pyautogui, pywhatkit).

- **Clustering, Classification** | Tools Used: Python, pandas, scikit-learn , KNN, Random Forest

Achievements: Implemented machine learning algorithms to cluster seed data, utilizing Python, pandas, and scikit-learn. Analyzed results, performed algorithmic comparisons, and interpreted findings. **Credit Card Fraud**: Applied classification algorithms (KNN and Random Forest) using Python and relevant packages. Produced accurate outcomes and conducted thorough algorithmic evaluations.

- **Blockchain** | Smart Owner contract | Tools Used: Solidity , RemixIDE , Python , Flask , Jinja , GCP , MetaMask

Achievements: **Hash NFT**: Engineered and implemented a comprehensive NFT Marketplace leveraging Solidity, ChainStack, GCP, and Python. Enabled users to mint, buy, and sell NFTs on a ChainStack blockchain node. Utilized Solidity and Remix for smart contract development and deployment. Employed GCP for the storage of user information and NFT data/images. Developed both the backend and frontend for the web app using Python (Flask and Jinja). **Smart Owner Contract** :This Solidity smart contract allows the owner to deposit funds into consumer accounts and set distribution conditions. Consumers can check balances and eligibility to withdraw but can only withdraw after a specified time set by the owner.

- **YtDash , Earthquake Dash** | Tools Used: Streamlit, Python , pandas ,seaborn, matplotlib , dash ,plotly

Achievements: Conducted comprehensive data analysis, data pipelining, and graphical result generation for YouTube channel data. Utilized Streamlit and Python for effective data visualization. Utilized Dash to create a dashboard focusing on global earthquake activity across different regions. Employed Python's data manipulation and visualization capabilities to generate informative graphs and visuals.