

Vedant Karekar

✉ vedantkarekar22@gmail.com

☎ +91 8591589275

in www.linkedin.com/in/vedant-karekar

📄 https://github.com/vedantt-22

EDUCATION

S.I.E.S Graduate of Technology

- Bachelor's of Engineering - Artificial Intelligence & Data Science. CGPA: 9.42/10

2022-2026

Navi Mumbai, India

G.E.I.S M.H High School and Junior College

- Junior College (Specialized in Computer Science). Percentage: 80%

2020- 2022

Thane, India

PROJECTS

Signature Forgery Detection

- The system processes signature images, extracts various features from them, and then trains a **neural network** to distinguish between **genuine** and **forged signatures**.
- Trained a **Convolutional Neural Network (CNN)** to classify signatures, achieving a detection accuracy of **95%**.
- Deployed the model in a User-friendly interface with **database integration** for secure, **real-time signature verification** and storage.
- Tools Used: Python, OpenCV, TensorFlow, SQL, Scikit-learn

Social Buzz : Data Analysis and Visualization

- Gained a **deep understanding of project requirements** and client needs, applying **data cleaning** and modeling techniques to ensure data accuracy and **effective database structuring**.
- Optimized **MySQL queries** and implemented backup/recovery processes to enhance performance and ensure data reliability.
- Created **dynamic visualizations in Power BI** and presented insights to both **technical** and **non-technical stakeholders**.
- **Tools Used:** MySQL, Excel, Power BI, Python

Startup Investment Safety Prediction

- Developed a predictive model to determine the safety of **investing in startups** using data from 50 businesses across New York.
- Utilized features like **R&D spending**, administration costs, marketing expenses, and profit to predict investment safety.
- Implemented data preprocessing, label encoding, and **scaling techniques** to prepare the dataset.
- Built and evaluated multiple machine learning models including **Multiple Linear Regression** and **Support Vector Regression**,
- Tools Used: Python, Pandas, Scikit-learn, Kaggle Dataset.

SKILLS

- **Programming Languages:** Python, Java, SQL, C++, JavaScript, R Programming
- **Libraries :** Numpy, Pandas, Matplotlib, OpenCV, TensorFlow, Scikit-learn
- **Database Technologies:** MySQL, PostgreSQL, SQL Server 2017, MySQL Workbench
- **Tools:** Figma, Spreadsheets, Power BI, MS Excel, Tableau
- **Soft Skills:** Communication, Problem Solving, Team Work, Decision-Making, Collaboration

ACHIEVEMENTS

- **Winner:** Ranked **first** among **1,000 students** in **Cognizance** a College Level Project Competition held at S.I.E.S.
- **Runner Up – Bug4ever** Coding Event organized by the **CodeChef** an Inter-college Coding Event at S.I.E.S..

CERTIFICATION



CERTIFICATE

- **Google Data Analytics Professional Certificate**

CREDENTIAL ID - EER3RWXY6JYU

POSITION OF RESPONSIBILITY

IEEE Media Head

May 2023 – July 2024

- Managed operations, strategic initiatives, and events, representing the committee in institutional and external meetings to strengthen partnerships.

Computer Society of India (CSI): Member & Event Organizer

May 2023 – July 2024

- Co-organized **Innovations 2023**, a flagship inter-college event that drew participation of 100 students across 20 colleges.