

Vedant Patil

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Mumbai, IN

 vedant-patil

 Portfolio

SUMMARY

Electronics & Computer Science engineering student with strong problem-solving skills and hands-on experience in backend development, machine learning, and quantitative finance. Built multiple end-to-end projects including an AI-driven placement analytics platform and an options pricing engine. 3x hackathon winner with proven ability to deliver working systems under strict time constraints, along with leadership experience in managing college cultural events.

EDUCATION

Shah and Anchor Kutchhi Engineering College (SAKEC)

Mumbai, IN

B.Tech in Electronics and Computer Science Engineering

2024 – Present

CGPA: 9.94 (Sem 1: 10.0, Sem 2: 10.0, Sem 3: 9.82)

Mumbai, IN

Ramnivas Ruia Junior College

HSC (Class XI - XII) in Electronics

2021 – 2023

KEY PROJECTS

Options Pricing Model (QuantDevs) | [GitHub](#)

Quant Finance

- Built an options pricing model in Python for derivative valuation and financial analysis.
- Implemented structured computation workflow for pricing evaluation and model-based risk estimation.

CampusIQ | [GitHub](#)

AI / Web Platform

- Developed an AI-driven placement readiness scoring platform with Student and Admin modules.
- Designed dashboards and scoring logic to track readiness, skill progress, and placement analytics.

StandEase-Web | [GitHub](#)

Web Application

- Built a web application with scalable structure and deployment-ready codebase.
- Developed core features with clean modular architecture and user-focused workflow implementation.

House Price Prediction (Random Forest)

Machine Learning

- Developed a Random Forest regression model for predicting house prices using Python.
- Performed preprocessing, feature selection, training, and evaluation on real-world dataset features.

TECHNICAL SKILLS

- **Languages:** Python, C, C++, Java, JavaScript, SQL
- **Backend & Tools:** FastAPI, Firebase, Git, MySQL, MongoDB
- **AI/ML & Data:** Machine Learning, Data Science, Power BI, Data Visualization
- **Cloud & Hardware:** Google Cloud, Arduino, ESP32

CERTIFICATIONS

- Cisco JavaScript Essentials 1
- C++ Fundamentals (Infosys Springboard)
- Java Training (Spoken Tutorial)
- HTML Training (Spoken Tutorial)
- Google Cloud Computing
- Data Science & Power BI

LEADERSHIP & VOLUNTEERING

- **Co-Head, Octaves (Pratistha):** Managed and organized solo singing competition for college festival.
- **SAKEC Studio Core Member:** Coordinated auditions and managed instrument training sessions.

EXTRA-CURRICULAR ACHIEVEMENTS

- Completed 5 levels of Hindustani Classical Music (Gandharva Mahavidyalaya).
- Participated in and won multiple inter-college singing and band competitions.
- Provided chorus vocals for an upcoming unreleased song by Arijit Singh.