

Vishvesh Paresh Modcoicar

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Education

Maharashtra Institute of Technology

Pune, India | Aug 2022- July 2026

B.Tech. in Computer Science Engineering (Specialization in A.I & Data Science)

Coursework: Software Engineering, Object-Oriented Programming, Data Structures & Algorithms, Networks, Discrete Math, Linear Algebra, Probability & Statistics, Calculus, Big Data Technologies, Deep Learning, Data Science

Notable Mention: Scored approximately 97 percentile in my entire Data Science course & my mini project for the Machine Learning course went on to win awards and is being contributed presently in the research sector.

Our Own English High School

Sharjah, U.A.E | Sept 2008- May 2021

High School Diploma

IBM Data Professional Certificate

Remote | July 2026

3/12 main courses completed with an average score of 91%.

Skills

Languages: C/C++, Python, R, Java, HTML/CSS, SQL/NoSQL

General Tools: Git/GitHub, Unix/Linux, VSCode, React

Python Module Tools: Scikit-learn, Pandas, Matplotlib, SciPy, Beautiful Soup

Data Science Tools: Jupyter Notebook, Tableau, Excel, Power BI, RStudio

Big Data Tools: MongoDB, Cloudera, Hadoop

Deep Learning Tools: TensorFlow, Keras, PyTorch

GenAI Tools: Cursor (Accelerated Development)

Experience

British Airways Data Science Virtual Internship | Data Scientist Intern

Remote, UK | Feb 2025

- Web-scraped customer reviews to analyze *British Airways* feedback, generating actionable insights using Python and enhancing data visualization with RStudio.

Data Dcoders Analytics Club | Director

Pune, India | Sept 2023 – Present

- Led research & development initiatives while coordinating across marketing, management, and design teams to drive club growth.
- Enhanced data analytics efficiency by 70% through technology integration and beginner-focused workshops.

Computer Society of India Core Team | PR & Content Head

Pune, India | Sept 2023 – Aug 2024

- Managed core team divisions and organized major tech events for the *CSI MIT-WPU Chapter*, while leading SaaS and data science projects.

Skillmaster Company | Cybersecurity Associate

Pune, India | Oct 2023 – Aug 2024

- Conducted cybersecurity training for mid-sized companies, including *Supreme Facility Management* (₹300-400 Cr turnover), providing frameworks for IT security implementation.

Google Developer Student Clubs Core Team | Management Head

Pune, India | Sept 2023 – Aug 2024

- Scaled the club from 20 to 900+ members, making it the most notable GDSC in the Pune circuit. Contributed to multiple *Google Summer of Code* projects, including *Hidden Camera Detector* using OpenCV for privacy protection.

Projects & Awards

Hult Prize Global US \$1 Millon Annual Competition 2025

Feb 2025

- 2nd Runner Up during the On-Campus Program competing with universities across the state, getting us qualified as Nationalists for the main competition which will be held @IIT Bombay.
- Pitch Video: [AeroTrail Pitch Video \(YouTube\)](#)

Smart India Hackathon 2024

Nov 2024

- Shortlisted for the presentation stage.

Great Indian Startup Challenge 2024

Nov 2024

- Selected in the Top 100 startups of the sector.

Project Desc:

AeroTrail | Python, React, Figma

Feb 2024

- Designed an ML-powered flight route optimization system leveraging NavIC satellite tracking to enhance safety, reduce CO₂ emissions, and improve fuel efficiency.
- Developed a prototype in Figma; currently building the frontend with React and the backend ML model using Python.

Pest Detection System with Automated Water Generator | IOT, C++ on Arduino

Sept 2024

- Developed a smart farm ecosystem using sensors (DHT11, motion, thermal) and a buzzer to detect motion, temperature, and humidity, deterring pests.
- Integrated an atmospheric water-generating Peltier device as a key feature of the system.

Customer Review Prediction Model | *Python, BeautifulSoup (Web Scraping), ML/DL Modules*

Feb 2025

- Preprocessed 3,811 airline reviews using NLP (NLTK, SpaCy) and visualized sentiment trends with Matplotlib, Seaborn, and WordCloud.
- Applied LDA and BERTopic for topic modeling, identifying key concerns like baggage delays and cabin service.
- Developed and fine-tuned sentiment classification models using BERT, LSTM, and GRU, optimizing accuracy for real-world applications.

HackX Hackathon MIT-WPU 2023

Feb 2023

- 1st Runner Up Award and an investment prize of ₹1,00,000 from the university board.

Project Desc:

Healthease App | *React*

Feb 2023

- Collaborated on developing **Healthease**, a React-based app providing immediate mental health crisis support.
- Designed secure one-on-one mental health sessions with a subscription-based model as the core USP.

SparkXOOB Website | *Wix Site Builder*

Dec 2021

- Led the design and development of the **SparkX OOB** event website, enabling 100+ U.A.E. schools to participate in Science, Literature, and Film competitions.

Extracurriculars

Buzzcast Media | *Head of Hosts & Podcasts*

Pune, India | Dec 2023 - Present

- Lead a media team of 70+ members, managing a community of 300+ students and hosting high-profile podcast guests with college-sponsored funding.
- Notable podcast features include Dr. Vijender Singh Chauhan, a renowned professor and UPSC interviewer.
- Podcast Link: [Podcast \(Youtube\)](#)

2nd Runner Up Award & Overall Winner Trophy | *VLPMUN'23*

Mumbai, India | March 2024

- Won the *Best MUN Delegation* title across Mumbai/Pune circuits (10,000+ delegations), securing ₹6,000 as the sole winner and the *Overall Winner Trophy* worth ₹15,000.

Best Delegate Award & Overall Champion Trophy | *SynchronisMUN'23*

Pune, India | Feb 2023

- Secured the top position at the *Model United Nations* at Symbiosis College, competing nationwide, winning ₹15,000 individually and ₹15,000 as part of the overall champion team.

Highest Wicket-Taker Award | *U.C.T International Cricket Tour*

Johannesburg, South Africa | Nov 2016

- Named the highest wicket-taker in a South Africa cricket tournament as part of the *U.A.E. Club Team*, securing 12 wickets in 3 matches.

Duke of Edinburgh Bronze Awardee | *Duke of Edinburgh Intl. Award*

Sharjah, U.A.E | April 2020

- Awarded the Duke of Edinburgh Bronze by the Duke of Edinburgh's International Award for leadership, resilience, and community service.