



# Aviral Pathak *Co-Founder & CTO @Sunitiq-AI*

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## EDUCATION

**Madhav Institute of Technology and Science, Gwalior**, *B.Tech in Mathematics and Computing*

08/2025 – Present

**Vishwa Bharati Public School, Noida**

04/2011 – 05/2024

**CBSE Senior School Certificate Examination (Class XII)' 2024**

Score: 88.2%

**CBSE Secondary School Examination (Class X)' 2022**

Score: 97%

## PROFESSIONAL EXPERIENCE

**Technical Lead (CTO)**, *Sunitiq-AI LLP*

10/2025 – Present

- Developed **EpiAlert-India's First Disease Outbreak Prediction System**

**Campus Ambassador**, *HackerRank*

01/2026 – Present

- Setup and Created HRCC (HackerRank Campus Crew) in my college.

**Research and Development Team Member**, *AI Club, MITS Gwalior*

09/2025 – Present

**Technical Committee Member**, *GFG Campus Body MITS GWL-DU*

09/2025 – 03/2026

- Organised two DSA contests (Coderush and Coderush2.0) with GeeksForGeeks Campus Body, MITS-DU

## PROJECTS

**EpiAlert**, *India's first Disease Outbreak Prediction System*

- By integrating heterogeneous data sources, EpiAlert aims to **detect rising outbreak risks earlier than traditional surveillance systems**, enabling proactive public health response.
- Made EpiAlert Health Heroes gamified dashboard under this project for surveying and filling forms

**CollabGrid**, *Technical Matchmaker*

- Cross-platform mobile application developed using Flutter, designed to revolutionize how students form technical teams for hackathons and other projects in the college campus.
- Addressing the challenge of finding teammates with complementary skills, CollabGrid replaces random grouping with intelligent, data-driven matching.
- Users create technical profiles highlighting their specific expertise (e.g., Web Dev, ML, Design). The application then utilizes an automated algorithm to suggest compatible partners, ensuring every team has a balanced mix of capabilities.
- By bridging the gap between isolated talent and collaborative success, CollabGrid fosters innovation and creates a more connected campus ecosystem.

**Smart Attend**, *Automated Attendance System for Rural Schools.*

- Dual Mode System:-

1. Facial recognition

2. QR tags/RFID tags scan

- Simple UI: A clean, icon-based and multilingual interface ensures ease of use for teachers and students with minimal tech experience.

- Innovation & Uniqueness:-

1. Low-Cost Entry

2. Built for Rural Schools

3. Flexible and Scalable

## EXTRACURRICULARS AND ACHIEVEMENTS

- Student Representative in **Anti-Ragging Committee**
- Finalist at **HackIgnite 1.0**
- Winner of **AI-Unboxed**, a contest organised by **Soft Computing Research Society**
- Participated in 5 Hackathons
- **AICTE IDE Bootcamp** Winner, Represented **Sunitiq** in that bootcamp and came in **Top-5** teams

## SKILLS

**Languages:** C++, Dart, Python

**ML and DS: Libraries:** NumPy, Panda, Matplotlib, Seaborn | **Frameworks:** Scikit-Learn, PyTorch | **Concepts:** Supervised & Unsupervised Learning, Statistical Modelling, Data Preprocessing

**Frameworks:** Flutter, React.js, Next.js, Flexbox, Tailwind CSS, Bootstrap, MUI

**Architectural:** REST API, Widget Tree, Element Tree, Stateless vs. Stateful Widgets, Component-Based Architecture

**Databases:** PostgreSQL, SQL

**State Management:** Provider, Riverpod

**Developer Tools:** Git/GitHub, Android Studio, Figma(Basic), PSPP, Jupyter Notebook, Google Colab

## HONORS AND AWARDS

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<b>SOF IMO 2023-Gold Medal Of Distinction</b> , Issued by Science Olympiad Foundation Zonal Rank 1 in International Mathematics Olympiad 2023(SOF) Stage-1, got awarded with Medal of Distinction.	12/2023
<b>राष्ट्रीय हिंदी ओलंपियाड(2019)-रजत पदक विजेता</b> , Issued by Hindi Olympiad Foundation राष्ट्रीय हिंदी ओलंपियाड (2019) प्रथम चरण में रजत पदक से सम्मानित	11/2019

## TEST SCORES

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<b>AIR 1165</b> , Got an All India Rank of 1165 in common merit list of B. Tech, as conducted by the Directorate of Technical Education, Madhya Pradesh.	06/2025
<b>AIR 67 (99.8 %ile)</b> , Joint Entrance Examination(JEE) Main-Paper 2B (B.Planning) (Uttar Pradesh State Topper).	05/2025
<b>AIR 666 (99.0961 %ile)</b> , Joint Entrance Examination(JEE) Main-Paper 2A (B.Arch)	05/2025
<b>AIR 19</b> , GBUET-24	06/2024