

# MANAN SETHIA

Programmer · Developer · Builder · Quizzer · Student · Leader

## CONTACT

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📍 Raipur, CG, IN

## SKILLS

### Languages

Python, C++ (STL), C, Java, SQL, HTML, CSS, JavaScript

### AI & Data

OpenCV, PyTorch, scikit-learn, pandas, NumPy, Matplotlib, Jupyter

### Web & App Dev

Flask, Django, Jekyll, MIT App Inventor, GitHub Pages

### Systems & IoT

Linux, Raspberry Pi, ESP32, Arduino, Embedded Systems, Robotics

### DevOps & Cloud

Git, GitHub, Docker, CI/CD, Proxmox, Cloudflare, SSH

### Cybersecurity

Metasploit, Wireshark, Burp Suite, Nmap, Kali Linux, Cryptography

### Core CS

DSA, Competitive Programming, OOP, DBMS, System Design

### Professional

Leadership, Event Management, Public Speaking, Mentorship

## EDUCATION

### Nanyang Technological University

Bachelor of Computing (Hons) in Computer Science

2026 – 2030 | Singapore

Specialisations: Cyber Security, Artificial Intelligence

### Krishna Public School, Kamal Vihar

Grade 1 – 12 | Raipur, CG

2014 – 2026

Stream: PCME + Computer Science

## CERTIFICATIONS

• **Google Cybersecurity Professional Certificate** (Coursera)

• **IBM Ethical Hacking with Open-Source Tools** (Coursera)

• **Programming and DSA Courses** by CodeChef for:

▸ Python

▸ Java OOP

▸ C/C++ with STL

## EXPERIENCE

### Buildabot Labs Private Limited

May 2026 – Present

#### Chief Technology and Innovations Officer (CTIO)

Leading technology strategy and engineering at FSTI's technology subsidiary. Building database systems, backend servers, company website, and a RAG AI assistant. Architected an emulation playground for virtual project testing.

### First Step Innovations (FSTI)

Apr 2026 – Jul 2026

#### R&D Intern

Worked on full-stack projects: e-commerce web app, AI career counselling platform, and drone assembly simulator. Handled technical documentation, QA testing, and daily progress reporting.

### Krishna Public School, Kamal Vihar

Apr 2016 – Mar 2026

#### Headboy, Student Council

Jul 2025 – Feb 2026

Led student council overseeing 18 clubs, editorial board, and 97 members; organized flagship events.

#### Problem Setter, I-Code

Aug 2024 – Oct 2025

Designed algorithm and logic questions for coding competitions across difficulty levels.

#### Advisor & Coordinator, Xplora

Nov 2022 – Nov 2025

Coordinated flagship tech fest with robowars, ideathons, and gaming; managed outreach and finances.

#### Innovator & Mentor, ATL Club

Jul 2022 – Mar 2026

Built prototypes using embedded systems; mentored juniors on robotics and IoT projects.

#### Technical Lead, Coder's Club

Jul 2019 – Mar 2026

Member → Vice President → President → Mentor  
Hosted workshops on CP, ML, and cybersecurity; championed Linux adoption across 5 labs.

#### Quiz Organizer & Mentor, QPL

Apr 2016 – Mar 2026

Represented school in national quizzes; organized intraschool events across diverse domains.

## PROJECTS

### MRIDA *Multipurpose Real-time Integrated Digital Analyzer* | 2023 – 2025

AI-powered soil health analyzer on Raspberry Pi 5 with Python, MIT App Inventor, and scikit-learn. Features soil sensing, weather alerts, emergency SMS, and speech assistant. Won Data & AI Talks, Top 1000 Youth Ideathon, INSPIRE MANAK, Jr. SIH.

### MATRIX *Desktop Voice Assistant* | 2021 – 2022

JARVIS-inspired voice assistant with Python, Tkinter, and MS Voice Pack. Speech/text interaction, live weather, tech news, and hand-drawn custom GUI.

## SELECTED TOP ACHIEVEMENTS

• **Gold & Bronze Medalist** at International Earth Science Olympiad (IESO) 2024; represented India in Beijing

• Selected for **12-week intl. research program** on Quantum Computing — BeyondQuantum 2025

• Secured **AIR 10** in Hewlett Packard Codewars 2025 among 6,000+ participants

• Secured **AIR 17** in IIT Madras Shaastra Programming Contest 2026 among 18,000+; **National Finalist**

• **ZCO 2024 Zonal Topper** and **INAIQ 2025 Stage 2** Qualifier

• Multiple podium finishes in national and state-level quizzes:

▸ SBI Scholar Quiz

▸ TCS InQuizitive

▸ Wonga Wits Finance Quiz

▸ CBSE Heritage India Quiz

▸ Ultimate Sports Quiz

▸ FIT India Quiz

▸ IIM Bhilai Materials Quiz