

MANAN SETHIA

Programmer · Developer · Builder · Quizzer · Student · Leader

CONTACT

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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 **INAIO 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