Vansh Rishi

My Github vansh.rishi@gmail.com +91 76782 96910

Experience

Joint Headboy DPS Dwarka · Class 12

- Represent the Class 12 student body in assemblies, house events, and day-to-day school coordination.
- Help run student programs and keep communication moving between peers, teachers, and admin.

March 2026 to Present – Dwarka, Delhi

President СОЯЕ 19 (Computer Club)

- Run СОЯЕ, a 19-year-old technical society. Lead a team of 10 specialized members and 30 trainees competing across Delhi's tech circuit.
- Keep mentorship and training going so projects stay ready across web development, design, and competitive programming.
- Own end-to-end production for the annual tech symposium — logistics, branding, and team coordination.

December 2025 to Present – Dwarka, Delhi

Lead Tech Head Robodex (Robotics Club)

- Manage the web infrastructure and technical inductions for a robotics society recently ranked Top 16 nationally by UN / IIT-Delhi.
- Handle 3D design, rapid prototyping, and printing of custom robot chassis for this year's competitive circuit.
- Tie software and hardware together for competition bots while helping organize school-level robotics symposiums.

December 2025 to Present – Dwarka, Delhi

Founder Forge 3D (B2C & B2B 3D Printing Company)

- Run B2B 3D printing jobs end to end — parametric CAD through final logistics.
- Keep production pipelines tight for material use, assembly speed, and retail-grade finish.
- Design custom solutions for clients and handle negotiations myself.

October 2025 to Present – Dwarka, Delhi

Technical Intern Stand N Stride

- Build small tools and web pieces that help Stand N Stride run outreach and day-to-day program work.
- Keep docs and simple interfaces usable for volunteers and staff.

2025 to Present – Delhi NCR

Education

DPS Dwarka, Class 12th

Apr 2023 to April 2027 – Dwarka, Delhi

AISSE Class X	SAT	IELTS
97.2% Best 5	1550/1600	8.0 Overall
100/100 in IT	800 Math / 750 Eng	9 Listening / 9 Reading

Proof Of Work

Drive Link

Contains Proof Of Work across all domains

Major Projects and Awards

PrintOps Product 3D Printing

Built a CLI that automates industrial-scale 3D print workflows: headless G-code slicing plus programmatic CAD Added a visual calibration step and batch processing so design-to-print doesn't fall over at volume

March 2026 - Project — Drive Link

2nd Sudocrypt

2nd place at Sudocrypt (international cryptography / CTF-style event) out of 700+ teams

October 2026 - International competition — Drive Link

1st National InterDPS IT-Fest

Winner (1/88 teams) Built "Study Buddy," an agentic chatbot that turns conversation into a real schedule via Google Calendar OAuth

November 2025 - Gautam Buddh Nagar, Noida — Drive Link

Top 16 UN & IHFC National Robotics For Good

National finalist (Top 16), IHFC & UN Robotics for Good Youth Challenge with IIT-Delhi Two-robot farming setup; I led the AI vision and hardware side at Yashobhoomi

October 2025 - Yashobhoomi, Delhi — Drive Link

Other designathons & hackathons

1st Place, Decagon — July 2026
Hackathon+Designathon

2nd Place, XINO — November 2025 - DPS Rohini
Hackathon+Designathon — Behance Link

2nd Place, Robotronics — August 2025 - Amity Int School, Gurugram
Hackathon+Designathon — Behance Link

3rd Place, Syntax — July 2025 - DPS Int Saket, New Delhi
Designathon — Behance Link

Underlined text denotes clickable project documentation

Skills & Tools

Web Development

React, Next.js, Node.js, TypeScript, Tailwind, Vercel, Electron JS, Supabase, MongoDB, Three.js, Framer

Programming & AI

Python, Embedded C, LLM & Agentic AI Integration, RAG, Machine Learning, OpenCV, VS Code

Infrastructure & Systems

Raspberry Pi, Arduino, Linux (Ubuntu, Debian), Virtualization (Oracle VirtualBox), Docker, Git, SQL

Product & UI/UX Design

3D Modelling (Blender), 2D Design (Figma), UI/UX Design (Figma), Print Production & Design, Video Editing (DaVinci Resolve)

Product Engineering

3D Printing, CAD (Fusion 360), Design for Manufacturing, PCB Design (KiCad)

Strategy & Leadership

Project Management, Technical Mentorship, Resource Allocation [w/ Constraints], Cross-Functional Collaboration

Product & Visual Media

COЯE Annual Tribute Booklet

Designed and printed a 20-page "obsessed annual" booklet end to end

Robodex & COЯE Club Apparel

Designed and produced custom hoodies for 40+ members across both clubs

Minimalist RPi 5 NPU Cooling Stand

16g vertical "chimney" stand for Raspberry Pi 5 + Hailo-8L NPU to stop thermal throttling