Mihir *Ruwala*

B.Tech CSE, VIT Vellore (2025–2029) · AI, front-end, iOS and research

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96 / 96	0.484	Live	3 countries
messages delivered on real iPhones, D-Mesh	spellF1 vs 0.408 baseline, Barça Lab	DUO Control on the Chrome Web Store	40+ day research trip for a published essay

PROJECTS

D-Mesh — SWIFT · IOS
Offline SOS messages that hop phone to phone with no signal. Field-tested on three iPhones across floors: **337 of 371 delivered**, relaying through a second phone confirmed.

Barça Lab — PYTHON · TEAM OF 4
Who has the ball, frame by frame, for More Than A Hack 2027. **0.484 spellF1 vs 0.408 baseline.**

DUO — WEB · IOS · CHROME
A private space for two: encrypted calls, chat and synced YouTube. **DUO Control is live on the Chrome Web Store.**

SpideyLink — SWIFT · SUPABASE
A Find My for two people, built natively for iPhone.

SmartPick — REACT · ESP32
Team of 4. Parcel-desk web app with ID scanning, plus a pick-by-light locker. **Built for ₹1,157.**

Also built — DESIGN · AI · DB
Evenly (Figma chore app) · PERSONAX (Flask, team of 5) · DeepTrace (deepfake and AI-face detector, PyTorch) · CubeSat (self-healing telemetry DB on NASA data)

RESEARCH & WRITING

Detection Without Legitimacy — ESSAY · SSRN, 2026 · SSRN.COM/ABSTRACT=7707818
Who gets to call AI content fake in India, Singapore and Malaysia. **40+ day research trip**; talks with ISIS Malaysia, KRI, NUS and NTU.

SentinelAI — PAPER · 2026
Threat-detection architecture for small businesses, mapped to MITRE ATT&CK. **First author of four.**

Beyond Green Campuses — PAPER · 2026
Water and energy balance for VIT Vellore from audit data. Co-authored.

EXPERIENCE

VinnovateIT — JAN 2026 – NOW
Senior Core Committee. Runs pipelines and deployment for AI, web and mobile projects; helped host VinHack at Gravitas '26.

GLA VIT Vellore — JAN 2026 – NOW
Core Committee. Editorial content, events and social media.

Sstudize — SEP – DEC 2025
Data Quality Analyst Intern. Checked question sets and answer keys.

EDUCATION

Vellore Institute of Technology
B.Tech, Computer Science & Engineering, 2025–2029

Delhi Public School, Bopal
CBSE Class XII, 2025 · English Core 98/100
Class X 95.8% · English 99/100 · Utkrisht Kushagra Award, four years running

SKILLS

Design	Figma, prototyping, UX writing
Front-end	HTML, CSS, JavaScript, Next.js
iOS	Swift, Xcode
Back-end	Python, Flask, Streamlit, Supabase
Systems	C, C++, Git, ESP32, Arduino
Languages	English, Hindi, Gujarati, Marathi, French

COMPETITIONS

More Than A Hack 2027, Phase 1	2026
The Big Code 2026 (Google India)	MAR 2026
Drones Decoded Ideathon	MAR 2026

LEADERSHIP & VOLUNTEERING

Yuth Network, Deputy Sec. General	2023
Ahmedabad Int'l Literature Festival	2023
School Science Forum, VASCSC	2021–22

HONOURS · RANK

International English Olympiad	INTL. 18
International Maths Olympiad	INTL. 51
Int'l Informatics Olympiad	STATE 11
Int'l General Knowledge Olympiad	ZONAL 2
NSTSE, Physics & Biology	AIR 1
Ahmedabad Basketball League U-16	WINNER