












# YASH GUSAIN

 LinkedIn  GitHub

 Personal Website

 gosignwithyash@gmail.com

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EDUCATION	<b>University of Petroleum and Energy Studies (UPES)</b> DehraDun, India <i>Bachelor of Technology in Computer Science (Specialization in Cyber Security)</i> 2024 - Present
PROJECTS	<b>EcoAlert.in</b>  2025.03 - Present <i>Real-Time, Citizen-Driven Environmental Reporting Platform (patent pending).</i> <ul style="list-style-type: none"><li>Built a <b>geospatial environmental-monitoring</b> system using <b>Mapbox</b> geolocation APIs, enabling <b>real-time reporting</b> and spatial tracking of <b>100+</b> pollution incidents across a <b>10 km<sup>2</sup></b> area. (<i>Demo Video</i> )</li><li>Implemented <b>geo-tagged reporting</b> with image evidence, <b>severity-level classification</b>, and <b>live heatmaps</b>, enabling street-level spatial mapping and visualization of issue density.</li><li>Designed a <b>full-stack, mobile-first</b> platform, gathering functional requirements with environmental NGO (<b>Waste Warriors</b> ) ; aligned the tool with <b>UN Sustainable Development Goals</b> on sustainable cities and environmental monitoring.</li></ul>
	<b>UniCheatSheet.com</b>  2024.10 - Present <i>Sole founder, developer, and operator of a high-traffic student academic-resource platform (lecture notes, solved past-paper questions, and practice material).</i> <ul style="list-style-type: none"><li>Engineered a custom <b>access-control and content-protection</b> system — per-user subdomains, <b>credential-based authentication</b> with hashed passwords, view-only document embedding, and anti-piracy gating — securing content distribution across the user base.</li><li>Independently scaled and maintained a platform serving <b>2M+ lifetime requests (50K+ daily during peak exam periods)</b>; <b>open-sourced</b> the codebase on <b>GitHub</b>  for adoption at other universities.</li><li>Currently re-engineering the platform on <b>Next.js</b>, <b>Supabase</b>, and <b>Cloudflare R2</b> to harden content security with <b>signed URLs</b> and <b>per-user watermarking</b>.</li></ul>
	<b>BuyFromUni.com</b>  2025.01 - Present <i>Founder of a student housing-discovery platform for off-campus accommodation.</i> <ul style="list-style-type: none"><li>Built a <b>centralized, transparent</b> platform to replace broker- and word-of-mouth-driven accommodation search; <b>onboarded 100+ properties</b> across 3 colleges, enabling comparison of pricing, facilities, and suitability.</li><li>Facilitated <b>50+</b> accommodation closures; conducted <b>on-ground validation</b> by directly engaging property owners and verifying listings for quality and safety.</li><li>Integrated <b>WhatsApp-based</b> contact flows to reduce friction and streamline user conversion.</li></ul>
INTERNSHIPS	<b>Veer Indra Social Society</b>   Noida, Delhi 2025.06 - 2025.07 <i>Social Impact and Data Analysis Intern</i> <ul style="list-style-type: none"><li>Developed an <b>NLP-based sentiment and emotion analysis</b> pipeline over <b>500+</b> community-feedback and social-media comments using <b>NLTK</b>, <b>VADER</b>, and <b>k-means clustering</b>, transforming unstructured data into actionable insights to improve the NGO's program evaluation, donor reporting, and outreach for underprivileged women.</li></ul>
CERTIFICATIONS	<ul style="list-style-type: none"><li><b>Industrial Cybersecurity Essentials</b>  — Cisco Networking Academy, 2026.</li></ul>
SKILLS	<b>Languages:</b> Python, Java, C, JavaScript, TypeScript, HTML, CSS, SQL, LaTeX. <b>Frameworks:</b> React, Next.js, Node.js, Express, Tailwind CSS, NumPy, NLTK, VADER. <b>Developer Tools:</b> Linux, Docker, Git, Postman, Supabase, Cloudflare, Overleaf.