

# ABHIJEET RANJAN

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## EDUCATION

**Indian Institute of Information Technology and Management, Gwalior**

June 2025 – June 2030

*Integrated B.Tech + M.Tech in Information Technology (Dual Degree)*

**CGPA: 8.78/10**

## TECHNICAL SKILLS

<b>Languages:</b>	C, C++, Java, JavaScript (ES6+), TypeScript, Python, Bash, SQL, YAML
<b>Web &amp; Frontend:</b>	React, Next.js, Tailwind CSS, Three.js, GSAP, Framer Motion, HTML5, CSS3
<b>Backend &amp; DBs:</b>	Node.js, Express, Flask, REST APIs, Prisma ORM, SQLite, PostgreSQL, MySQL, MongoDB, Firebase
<b>Cloud &amp; DevOps:</b>	Docker, Docker Compose, Kubernetes, GitHub Actions, Nginx, CI/CD, Vercel, Netlify
<b>Security &amp; Net:</b>	Linux CLI, Shell Scripting, DNS, NAT, iptables/nftables, dnsmasq, WireGuard, Tor, tcpdump, Nmap, Wireshark
<b>Core Concepts:</b>	Operating Systems, OOP, DBMS, Computer Networks, Distributed Systems, Monorepos, API Design

## PROJECTS

### CTX — Local-First AI Memory Capsule Platform

Repo: [github.com/Abhi190702/ctx](https://github.com/Abhi190702/ctx)

[Next.js](#), [TypeScript](#), [SQLite](#), [Prisma](#), [MCP](#), [Browser Extension](#), [GitHub APIs](#)

- Built a platform converting chats, GitHub context, notes, and project decisions into reusable, searchable, and exportable AI context capsules.
- Developed a monorepo featuring a Next.js dashboard, browser extension, MCP server, GitHub capture, platform injection, and Docker workflows.

### Deploy Sense — DevOps Intelligence Platform

Repo: [github.com/Abhi190702/DeploySense](https://github.com/Abhi190702/DeploySense)

[TypeScript](#), [Next.js](#), [Node.js](#), [Docker](#), [Kubernetes](#), [GitHub Actions](#), [CLI](#)

- Engineered an open-source platform to scan Dockerfiles, Kubernetes manifests, CI/CD workflows, and deployment logs for production-risk issues.
- Implemented modular scanners, CLI, API, web dashboard, risk-scoring reports, CodeQL/security workflows, and Dockerized services.

### GhostGate — Virtual Privacy Router Lab

Repo: [github.com/Abhi190702/GhostGate](https://github.com/Abhi190702/GhostGate)

[Linux](#), [Bash](#), [dnsmasq](#), [iptables/nftables](#), [Tor](#), [WireGuard](#), [Flask](#), [VMware](#)

- Created a VMware-based Ubuntu Server lab demonstrating NAT forwarding, DNS resolution/logging, firewalling, tracker blocking, and Tor routing.
- Verified Client VM to Router VM to Internet routing with static IPs, IPv4 blocking, baseline scripts, leak-test helpers, and Flask dashboard pages.

### 3D Interactive Personal Portfolio

Repo: [github.com/Abhi190702/Portfolio](https://github.com/Abhi190702/Portfolio)

[Next.js](#), [React](#), [TypeScript](#), [Tailwind CSS](#), [Three.js](#), [GSAP](#), [Framer Motion](#)

- Designed a polished portfolio featuring an interactive 3D room, animated UI, responsive project showcase, and professional deployment setup.
- Integrated Three.js/GLB assets, Spline resources, customized GSAP animations, Resend contact flow, SEO-friendly assets, and optimized media.

## ACHIEVEMENTS & LEADERSHIP

- **Open Source Contributor (GSSOC 2026):** Selected for GirlScript Summer of Code, actively contributing to open-source projects via issue-driven development, documentation, and collaborative engineering.
- **Google Cloud Certifications:** Earned 18+ Skill Badges across Generative AI, Cloud Run, Compute, Networking, Spanner, APIs, and Automation.