

ANUANSH TIWARI

Software Engineering Intern — AI & Security

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SUMMARY

B.Tech CSE student (Amity University Lucknow, 2025–2029) who ships full-stack products and publishes security research. Built and deployed ACM BuildHub (Next.js + Supabase) and an AI admissions assistant with voice callback (Gemini, ElevenLabs, Twilio); first author of a 2026 journal survey on LLM-enabled cyberattacks, presented at ICETA 2026.

EDUCATION

Amity University Uttar Pradesh, Lucknow — B.Tech in Computer Science and Engineering

2025 – 2029

Amity School of Engineering and Technology | CGPA: 7.48 / 10

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), TypeScript, SQL, C, HTML, CSS

Web & Backend: Next.js, React, Tailwind CSS, Node.js, Express.js, REST APIs, Supabase (Postgres, Row Level Security, Storage), Streamlit

AI & APIs: Claude API, Gemini API, ElevenLabs Conversational AI, Twilio Voice, prompt engineering, Claude Code, Cursor

Data & ML: pandas, NumPy, scikit-learn, matplotlib, TF-IDF, NLP preprocessing, model evaluation

Security: LLM / prompt-injection security, agentic-AI threat modelling, CVE/NVD analysis, network security

Tools: Git, GitHub Actions CI, Vercel, Postman, VS Code, LaTeX

PROJECTS

ACM BuildHub — Technical Community Platform for ACM @ Amity

2026

Next.js 15, React 19, TypeScript, Tailwind, Supabase, Vercel, GitHub Actions · [Live site](#) · [GitHub](#)

- Built the chapter's platform around a problems → projects → people → contributions loop, so students can pick a campus problem, form a team and keep a record of what they built.
- Shipped an admin CMS that edits every public page live with no redeploy, plus a submission queue with review states; secured with Supabase RLS, server-only keys and signed-cookie auth.
- Wrote a 96-assertion API test suite against an in-memory Supabase mock, run with typecheck and build on every push via GitHub Actions.

Amity Admissions Assistant — AI Chatbot with Voice Callback

2026

Node.js, Express.js, Gemini API, ElevenLabs Conversational AI, Twilio · [Live demo](#) · [GitHub](#)

- Built an Express + Gemini chatbot answering prospective-student admissions queries; added an AI phone-callback channel (ElevenLabs + Twilio) sharing one knowledge base with the text bot, and wrote the funding proposal with per-call cost estimates.

Offline PDF Toolkit — Local, No-Upload PDF Suite

2026

Python, Streamlit, PyMuPDF, pypdf, pikepdf · [GitHub](#)

- 23 tools across six categories (organize, security, convert, edit, extract, annotate), including encryption, permissions, redaction and compression; all processing in memory with zero network calls, so files never leave the machine.

GlucoLog Pro — Offline Single-File Health Tracker

2026

JavaScript, Web Bluetooth API, client-side image parsing · [GitHub](#)

- Offline single-file app: CGM screenshot digitizer that recovers glucose series from images, Whoop import, Web Bluetooth.

PUBLICATIONS & RESEARCH

- **A. Tiwari, A. Tiwari, G. S. Khaira**, “Weaponizing Generative AI: A Survey of LLM-Enabled Cyberattacks in Phishing, Malware Generation, and Social Engineering,” *JIEEE*, vol. 07, no. 03, Sep. 2026. [doi:10.54060/a2zjournals.jieee.212](https://doi.org/10.54060/a2zjournals.jieee.212) — four-axis taxonomy of offensive LLM use; presented at ICETA 2026 with a first-party safety-filter experiment on an 880-prompt corpus.
- **A. Tiwari, A. Tiwari, G. S. Khaira**, “Explainable Artificial Intelligence (XAI): A Systematic Literature Review of Methods, Evaluation Frameworks, and Applications in High-Stakes Decision-Making Systems,” *JIEEE*, vol. 07, no. 03, Sep. 2026. [doi:10.54060/a2zjournals.jieee.211](https://doi.org/10.54060/a2zjournals.jieee.211) — PRISMA 2020 review, 9,140 records to 62 studies.
- **A Survey of LLM Limitations** — IEEE survey; accepted, awaiting publication. **Agentic AI Security, Reliability and Trust** — four-author IEEE review using NVD-verified CVE data; copyright transfer submitted.

EXPERIENCE

Industrial Trainee — BSNL ALTTC, Ghaziabad

Jun – Sep 2026

- Trained in telecom/data networks and cyber security; wrote a security assessment of a smart building's LAN and server room.

Research Intern (NTCC) — Amity University, Lucknow

Jun – Jul 2026

- Built an AI resume-screening pipeline end to end (EDA, cleaning, NLP preprocessing, TF-IDF features, model training and evaluation) under Prof. (Dr.) Wajahat Rizvi.

HVCO Intern — Yuva Yoddha, Lucknow

Jun – Jul 2026

- Ran a five-week legal-rights campaign: posters, animated explainer, six-language survey and analysis; Certificate of Appreciation.

Teaching Intern — Each One Feed One, New Delhi

Jun – Sep 2026

- Taught students in an education-access programme run by the NGO; certified on completion.

LEADERSHIP

- **ACM Student Chapter, Amity Lucknow** — leading chartering; built its platform, [BuildHub](#). **IEEE Student Member**.