A D I T I   S A X E N A

"Passionately exploring the intersection of cybersecurity, machine learning, and innovative technologies through meaningful internships and opportunities to build impactful solutions for the future."

R E C E N T   A C C O L A D E S

9.5+ CGPA

Junior Core Committee Member in CodeChef , CSI and IEEECS - VIT

Recognised by UNESCO, UNDP and Australian Embassy

1k+ LinkedIn Followers

S K I L L S

Machine Learning - Supervised and Unsupervised

CyberSecurity- Encryption Technologies

Web Development - React, Nextjs

GoLang, Docker - Learning

E D U C A T I O N

B.TECH - Computer Science

Vellore Institute Of Technology

2023-2027

12th Grade-CBSE

Delhi Public School,Bangalore South

2021-2023

L A N G U A G E S

English

Hindi

Tamil

P R O F I L E

Hi, I'm Aditi Saxena, a second-year Computer Science student driven by an insatiable curiosity and a passion for innovation. My journey in technology began with exploring machine learning during my first semester, where I conducted research on RFID systems and their transformative potential. At the same time, I took a deep dive into cryptography by developing an Object-Oriented implementation of the Elliptic Curve Digital Signature Algorithm (ECDSA) in C++. This project fueled my fascination with ECDSA and Post-Quantum Cryptography, inspiring me to publish insightful blogs on Medium and deepen my understanding of these advanced concepts.

My passion for problem-solving and forward-thinking solutions led me to co-found SentinelGuard AI, a cybersecurity startup focused on building a predictive and mitigative environment to combat zero-day attacks using Deception Technologies and advanced machine learning. At SentinelGuard AI, we strive to revolutionize cybersecurity by staying one step ahead of emerging threats with innovative defense mechanisms.

Over the past year, I have honed my skills in frontend development using Next.js, crafting visually dynamic and engaging user interfaces that merge creativity with technical expertise. Recognizing the importance of robust backend systems, I've also immersed myself in learning Golang, mastering GORM, and working with modern databases such as MongoDB, PostgreSQL, and Supabase. This journey has transformed me into a budding full-stack developer, capable of delivering end-to-end solutions.

What sets me apart is my relentless zeal to learn and adapt. I thrive on challenges, whether it's researching cutting-edge technologies, developing impactful projects, or collaborating on ideas that push boundaries. My mission is to make meaningful contributions to the tech landscape, one innovative idea at a time.

R E C E N T   P R O J E C T S

- **Portfolio Development**: Designed and developed a personal portfolio website using React, showcasing my skills and projects.
- **Cryptographic Implementation**: Built the Elliptic Curve Digital Signature Algorithm (ECDSA) in C++ using Object-Oriented Programming principles.
- **Gravitas'24 -VIT :** Contributed to the planning and tech teams for CSI and CodeChef events at Gravitas, including front-end development and event management.
- **Centralized Authorization System**: Currently developing an OAuth 2.0-based authorization system with blockchain and symmetric key implementations.
- **CodeChef Website Maintenance**: Part of the Papers.CodeChef.in website maintainers team, managing backend functionality using Next.js.
- **Hackathon Portal Development**: Actively participating in creating the portal for DevSoc 2025, Asia's largest hackathon.
- **Open Source Contributor:** Member of GSSOC - Girlscript Summer of Code , contributing to open-source projects through this competitive coding initiative.

ADITI SAXENA

ACHIEVEMENTS

- **Tech Club Leadership and Contributions:** Served as Junior Core in prestigious VIT tech clubs such as **CodeChef, CSI**, and **IEEECS**, gaining hands-on experience in organising events and driving technological initiatives.
- **Entrepreneurship Award Winner:** Secured the **top** position in **Vision Quest 2023**, an entrepreneurship competition held during Gravitas 2023 at VIT, showcasing innovative problem-solving and business acumen.
- **Academic and Research Excellence**: Earned certifications in Machine Learning from Stanford University and DeepLearning.AI; currently co-authoring a simulation-based review paper on I**ntrusion Detection Systems**, expected to be completed by September 2025.
- **Published Poet:** Authored and published poems featured in renowned anthologies like **Epiphany** and **Snow** by **The Write Order** Publications, demonstrating creativity and a flair for expression.
- Fundraising and Marketing Success: As a **Junior Core in AdMark**, successfully raised **₹50,000** for an on-campus event, highlighting strong leadership, marketing, and organizational skills.

CONTACT

- 📱   +91 9811912821
- ✉️   saxena.aditi2805@gmail.com
- 🌐   www.reallygreatsite.com
- 📍   Banagalore, India
- 🔗   https://github.com/aditisaxena259
- 🔗   https://www.linkedin.com/in/aditi-saxena-4674ab222/

WORK EXPERIENCE

Co-Founder
2024-

AegiDosAI

- Predictive and Mitigative Cybersecurity: SentinelGuard AI leverages advanced machine learning and deception technologies to predict, detect, and mitigate zero-day attacks.
- Innovative Threat Intelligence: The startup creates an adaptive cybersecurity environment focused on proactive defense mechanisms, empowering organizations to stay ahead of evolving cyber threats.
- Cutting-Edge Research: SentinelGuard AI integrates insights from fields like cryptography, behavioral economics, and threat modeling to deliver innovative solutions for modern cybersecurity challenges.

Marketing Intern
June 2024- July 2024

BHAI Technologies

- Product Launch Strategy: As a marketing intern at BHAI Technologies, I actively contributed to launching a new product targeted at the youth, leveraging my prior experience managing an online youth magazine to craft relatable and engaging strategies.
- SEO Insights and Optimization: Discovered unique patterns, such as "SIR" being a highly searched keyword on YouTube in India, and used these findings to design impactful SEO strategies for increased visibility.
- Youth-Centric Marketing Expertise: Collaborated with the team to create targeted campaigns that resonated with younger audiences, aligning messaging with trends and audience behavior for maximum reach.

Market Research Intern
Jan 2024- Feb 2024

Jol Energy - VIT TBI incubated startup

- Market Analysis and Strategy: As a market research intern at Jol Energy, conducted in-depth research on market reach, identifying key demographics and regions to expand the company's presence effectively.
- Competitor Benchmarking: Analyzed competitors' strategies and offerings, providing actionable insights to position Jol Energy more competitively in the renewable energy sector.
- Customer Requirement Insights: Assessed market needs and customer requirements, contributing to the development of tailored strategies that aligned with industry demands and enhanced product-market fit.

Founder
2021-2023

Reflection Magazine

- Founder and Leader of The Reflection: Established a 365-day online youth magazine with a vibrant team of 60+ interns from across India and abroad, fostering a dynamic and collaborative work environment.
- Community Building and High Engagement: Built a network of 80+ youth-run organizations, achieving a 60% engagement rate on Instagram by curating content that resonated with young adults on topics like lifestyle, education, and news.
- Notable Achievements: Conducted impactful interviews, including Miss Teen International India 2022, and consistently delivered relevant and engaging content to a global young adult audience.