

Prashikshit Saini

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Summary

Security engineer and full-stack developer who builds AI-integrated, production-grade systems from the ground up. Dual-degree in Cybersecurity with CompTIA Security+ and Network+ certifications, 3.8 GPA, and 8 shipped projects spanning AWS cloud infrastructure, custom protocol design, and AI-powered automation. Publishes on cryptography, AI architecture, and systems security at [prashikshit.dev](#).

Education

LeTourneau University <i>Bachelor of Science in Cyber Security</i> — GPA: 3.8 / 4.0	Longview, TX 2024 – 2026 (Expected)
– Coursework: Network Security (A), Digital Forensics (A), Cryptography & Secure Systems (A), Advanced Networks (A)	
Lovely Professional University <i>Bachelor of Technology (Hons.) in Cyber Security in Blockchain</i> — CGPA: 8.38 / 10	Punjab, India 2022 – 2024

Certifications

CompTIA Security+ (SY0-701) — Threat mitigation, risk management, intrusion detection	Aug 2025
CompTIA Network+ — Network architecture, TCP/IP, firewall/VPN configuration, 802.1X	Jun 2024
Google Cybersecurity Professional Certificate	Sep 2023

Experience

Automation Specialist <i>Starfish Ad Age</i>	Sep 2025 – Present Longview, TX
– Identified and remediated security vulnerabilities across 2 client-facing websites, hardening authentication flows and eliminating XSS vectors that protected sensitive customer data	
– Engineered API integrations between CRM, project management, and analytics platforms, reducing manual data transfer by 30% across 3 systems	
– Automated marketing pipelines and reporting workflows, cutting 25+ hours of repetitive work per month and enabling real-time campaign performance visibility	
– Monitored production integrations and co-designed automation strategy with leadership, reducing system downtime by 40%	
Peer Tutor — Computer Science & Mathematics <i>LeTourneau University</i>	Dec 2024 – Present Longview, TX
– Tutored 15+ students in Data Structures, Calculus, and Algebra, translating complex algorithmic concepts into clear mental models that improved exam pass rates	

Projects

Ghost Sub Tracker React 19, AWS Lambda, DynamoDB, Cognito, Amazon Bedrock, SES	Jan 2026
– Architected full-stack subscription management platform with serverless AWS backend (Lambda, DynamoDB, API Gateway, Cognito) supporting 12+ currencies and real-time spend aggregation	
– Built automated receipt parsing pipeline using Amazon SES email forwarding and S3, integrated Claude AI via Amazon Bedrock for intelligent subscription insights and anomaly detection	
Finance Tracker Next.js 14, TypeScript, Supabase, OpenRouter AI	Dec 2025
– Developed AI-powered personal finance application with calendar-style transaction views, receipt capture, and natural-language spending queries across budget categories	
– Integrated LLM-based financial analysis engine for automated budgeting advice, spending pattern detection, and category-level breakdowns with chart visualizations	
SimpTraceRoute Python, Raw Sockets, ICMP Protocol	Jun 2025
– Built ICMP-based traceroute utility from scratch using raw socket programming, crafting packets with configurable TTL to map hop-by-hop network routes with RTT measurement and hostname resolution	
MessX — Secure Messaging Python, Flask, Firebase, Custom Binary Protocol	2025
– Designed custom binary communication protocol with SHA-256 hashing, token-based auth, and role-based access control for real-time encrypted group messaging	
– Implemented complete chat system with message controls, user blocking, invite links, and error recovery — every handshake and connection state manually engineered	
Real — Privacy-First Journal React, Electron, Cross-Platform	Jul 2025
– Built offline-first desktop journaling app with 1-second local Markdown autosave, ISO-timestamped entries, per-entry writing-time tracking, and 1-click ZIP export — packaged for Windows, macOS, and Linux	

Technical Skills

Languages: Python, JavaScript, TypeScript, C++, Rust, Solidity

Web & Frameworks: React, Next.js, Node.js, Tailwind CSS, shadcn/ui, Electron

Cloud & DevOps: AWS (Lambda, DynamoDB, S3, Cognito, API Gateway, Bedrock, SES), Vercel, Docker, Git

Security: Vulnerability Assessment, Penetration Testing, Network Security, Burp Suite, Nmap, Wireshark, Scapy, Splunk

Databases: DynamoDB, Supabase, Firebase

Protocols & Systems: ICMP, TCP/IP, Raw Sockets, Custom Protocol Design, Linux, REST APIs