

NEEL KUMAR

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Summary

UIUC CS + Economics senior · 2+ years of SWE experience · ex-Stripe intern · 3 national award-winning projects

Education

Computer Science + Economics at the University of Illinois Urbana-Champaign [🔗](#) Aug 2024 — May 2027

GPA: 3.96, CS225 (Docker/C++/Linux), CS233 (Assembly/C), CS341 (C/Networking), CS425 (Go/Distributed Systems)

Work Experience

Software Engineer Intern – Stripe [🔗](#)

May 2026 — Aug 2026

- Built agent eval loop running **100+** A/B tests & evals/week to gain reliable insights as models & compliance reqs. change
- Redesigned human & agent-facing docs page with **10k** users/week (incl. TikTok, DoorDash) using **Ruby, TypeScript, React**
- Created 3 new public **REST API** endpoints to improve **Claude Code/Codex** accuracy during onboarding from **10%** to **75%**
- Handled **20+** run tickets (fixing bugs, implementing client feature requests, etc) to maintain client satisfaction using **Cursor**

Application Development Engineer Intern – Cencora [🔗](#)

May 2025 — Aug 2025

- Designed summarizer parsing **1600** alerts/month to reduce MTTR by **15%** using **Spring Boot, Kafka, SQL, Oracle DB**
- Built email success monitoring API handling **8k** emails/week using **Spring Boot, Selenium, jQuery, Bootstrap, Thymeleaf**
- Developed internal role provisioning tool reducing onboarding time by **75%** using **Spring Boot, SQL, Oracle DB, Vue.js**
- Reduced potential bugs by **80%** by creating **500+** Junit tests & resolved over **65** SCA vulnerabilities to ensure data security
- Collaborated w/ cross-functional teams using Agile w/ **Jira & Bitbucket**, CI/CD with **Jenkins, Docker, SonarQube & Azure**

AI Evaluation Engineer [Freelance] – Surge AI [DataAnnotation]

Jun 2024 — Jan 2026

- Evaluated **750+** coding prompts/responses on alignment safety, quality, accuracy, & adherence of the LLM output

Awards / Projects

Synapse [1st Place] – HackIllinois [🔗](#)

- Placed 1st / 184 for **Best General Hack** & 1st / 35 for **Best Use of Cloudflare** in under 36 hours; worked in a team of 4
- Scaled UI/UX feedback for devs by giving beta testers unique Cloudflare Sandboxes to turn user feedback into code diffs
- Testers prompt changes to **Cloudflare Workers AI** to update the sandbox; changes are used to create PRs for devs
- Technologies: **TypeScript, React, Next.js, Convex, Cloudflare, Docker, ElevenLabs, Gemini API, Hume AI, Supermemory**

Semifinalist [Top 5] – MathWorks Math Modeling Challenge [🔗](#)

- Placed in the **top 1%** of 1000+ global entries in a team of 3, judged by PhD mathematicians to win a scholarship
- Modeled the homelessness crisis in the UK and forecasted impacts of solutions in under 14 hours using **Python & NumPy**

ETF Data Pipeline [🔗](#)

- Architected an end-to-end data pipeline in **C++** and **Python**, processing 100GB+ of historical exchange market data
- Built scrapers w/ Bloomberg APIs to get **10 years** of ETF constituent data into ArcticDB, shown on a analytics dashboard
- Developed zero-copy CME Globex & NASDAQ ITCH parsers w/ **2.4 s/GB** order book reconstruction latency

Lead Developer – Technology Student Association

Lift [Nationals 6th Place] [🔗](#)

- Created a responsive 3D website that promotes LIFT, a modern space travel company, to place **6th** / 1000+ entries
- Used AGILE processes to build with **HTML, CSS, TailwindCSS, JavaScript, Three.js**, and **Firestore**; CI/CD through **Vercel**

Investify [States 4th Place]

- Built a financial platform integrating real-time stock data, public news & insider trading sentiment analysis via **REST API**
- Used **JavaScript, Python, Jinja, Flask, Pandas, Selenium, BeautifulSoup, Node.js** and **Firestore**; CI/CD via **Heroku**

Skills

Languages – Python, Java, TypeScript, JavaScript, Ruby, C++, C, Go, C#, R, Kotlin, Swift, SQL, Lua

Libraries – React, Spring Boot, Thymeleaf, jQuery, Flask, Jinja, Selenium, Pandas, Kafka, Jest, Playwright

Cloud – Azure (App Services/DevOps), AWS (S3), Firebase, Cloudflare, Docker, Jenkins, Oracle DB 19c, Git, GitHub