

# ANSUMAN SHARMA

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## Education

### University of Kansas

Bachelor of Science in Computer Science; Mathematics Minor (Expected: May 2026)

Aug 2022 – Present

- Undergraduate Certificate in Cybersecurity.
- Awards: Four-time collegiate math competition winner.
- KU Blockchain Club: Won **Best Use of Pinata IPFS** at **Midwest Block-a-thon 2025**.
- Coursework: Distributed Systems, Data Structures & Algorithms, Database Systems, Probability & Statistics

## Technical Skills

**Languages:** Python, C++, JavaScript, TypeScript, C#, SQL

**Technologies/Frameworks:** React, Next.js, ASP.NET Core, Supabase, PostgreSQL, SQL Server, LangChain, n8n, Pinata (IPFS), PyTorch, NumPy

**DevOps:** Docker, GitHub Actions, Kafka, Jira

## Experience

### bldr - Visual Student Course Scheduler

August 2025 – Present

Software Engineer Intern (Capstone) (*Live Demo*) | *TypeScript, Next.js, Supabase, Github Actions*

Remote (KS)

- Owned end-to-end development of the core schedule builder experience, shipping week-view time blocks and schedule management with global state via React Context for a fast, consistent UX at scale.
- Re-architected the data and API layer to fetch course data directly from Supabase (removing a legacy Python dependency) and implemented authenticated schedule persistence (save/delete/activate) with validation and user ownership checks for secure, reliable CRUD.
- Delivered high-impact planning features including a permutation browser that auto-regenerates valid no-conflict combinations on draft changes and pin/unpin constraints to lock required sections, helping students report an estimated **80% reduction** in time to find conflict-free schedules.

### Ascend Learning LLC

November 2024 – February 2025

Software Engineer Intern | *C#/.NET Core, SQL Server*

Hybrid (KS)

- Built and deployed RESTful APIs in .NET core for a Faculty Course Enablement Portal, cutting faculty onboarding time by **30%** through streamlined workflows.
- Optimized SQL server queries and stored procedures to improve API responsiveness and data reliability for core portal operations.
- Shipped biweekly releases in an agile Scrum environment (stand-ups, planning, PR reviews), maintaining quality gates with **0 critical defects**.

### UiPath Inc.

June 2024 – August 2024

Enterprise Success Intern | *C#, SQL Server, Python, UiPath Apps*

Bellevue, WA

- Developed a centralized internal repository aggregating **hundreds** of enterprise use cases, business challenges, and client-ready case studies to improve discovery and metric references.
- Built automation workflows in Python to generate detailed PowerPoint presentations and other customer-facing deliverables from structured use case data, reducing manual packaging effort and improving efficiency.
- Reduce product research and content preparation time by **98%**, enabling Technical Account Managers to respond faster and scale support for enterprise clients.

## Projects

### On Your Terms – Privacy Policy Analyzer

| Next.js, LangChain, n8n, PostgreSQL November 2025

- Built a browser extension + web app to analyze privacy policies, summarize key terms (data collection, sharing, and retention), and flag potential risk areas.
- Implemented a LangChain RAG assistant and automated n8n workflows to calculate regulation compliance scores and store analysis history in Supabase for future comparisons.

### SafeChain — Decentralized Async Communication App

| React, Mapbox, Pinata (IPFS) March 2025

- Built an offline-first asynchronous messaging system using WebSockets and local persistance to support communication during lack of traditional networks.
- Stored message payloads on IPFS and anchored content hashes on-chain (Polygon Amoy) for tamper-evident auditing and integrity verification.