

# Kunal Passan

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## EDUCATIONAL BACKGROUND

<b>Shiv Nadar University, Delhi NCR</b>	<b>Aug. 2022 – Aug. 2026</b>
Bachelor of Technology in Computer Science and Engineering	CGPA – 7.7
<b>Ramjas School, Pusa Road</b>	<b>2021-2022</b>
Senior Secondary (Class XII) - PCM with Computer Science	Percentage - 95%
<b>Ramjas School, Pusa Road</b>	<b>2019-2020</b>
Secondary (Class X)	Percentage - 92%

## INTERNSHIP EXPERIENCE

**Gen AI Intern – Nokia Solutions and Network Pvt. Ltd.**      **May 2025 - July 2025**

- Designed and implemented NLP pipelines for legal document generation using OpenAI language models, achieving 92% accuracy with zero-shot and k-shot prompting techniques across 50 documents.
- Built semantic retrieval systems using Qdrant vector database and FastEmbedding models, improving context-aware generation speed by 40% and reducing retrieval latency to under 200ms.
- Performed model benchmarking through confusion matrices on 1,000+ test cases, evaluating generation quality and precision across 5 different prompting strategies with 85% overall performance improvement.


## LIVE PROJECTS

**CereBRO — Nextjs, Expressjs, Python, FastAPI, LangChain, Groq API, Pydantic**      

- Developed and optimised an AI-driven adaptive learning platform serving 1,000+ neurodiverse students with personalised content, achieving 85% improvement in learning outcomes.
- Built comprehensive accessibility features including interactive flashcards and adaptive quizzes, resulting in 40% increased engagement and 95% user satisfaction.

**Chauffit — Nextjs, Zod, Node.js, Google Sheets API, Email Integration, Clerk, Vercel**      

- Deployed a full-stack personal chauffeur booking platform with robust user authentication via Clerk, serving 100+ users.
- Integrated Zod form validation with Google Sheets API, achieving 80% reduction in processing time and high customer satisfaction.

**PocketWise — Nextjs, React, Tailwind CSS, Express, Python, Firebase, GroqAI**      


- Built a dual-purpose application with Event Tracker managing 100+ events and intelligent Chatbot handling 30+ daily queries with 90% accuracy.
- Implemented OCR functionality to automatically extract relevant information from bills and receipts, reducing manual data entry and enabling users to track expenses efficiently.

## TECHNICAL SKILLS

**Languages:** Java, Python, C, SQL, JavaScript/Typescript, MongoDB

**Frameworks and Libraries:** Reactjs/Nextjs, Node.js, ShadCN-UI, FastAPI, NumPy, n8n workflow automation

## LEADERSHIP POSITIONS

**Web Development Lead – Economics Conclave 2025, Shiv Nadar University**      

- Led a team of 10+ developers to build a comprehensive e-commerce platform for the Economics conclave 2025, serving 1,000+ registrants with an integrated payment gateway and an automated ticket booking system.
- Implemented secure payment processing with automated email confirmations and Google Sheets integration for real-time data management, achieving a 99.5% transaction success rate.