

Kaavya Sidher

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Education

Institution	Year	Degree	CGPA/%
Punjab Engineering College, Chandigarh	2023–Present	B.Tech in Computer Science & Engineering	9.10
GMSSS, Manimajra, Chandigarh	2023	CBSE (Class XII)	95.2%
Bhavan Vidyalaya, Panchkula	2021	CBSE (Class X)	98.4%

Work Experience

Goldman Sachs May'26 – July'26
SDE Intern

- Engineered a **corporate card cancellation system** to mitigate operational, financial, and legal risk from active employee spend cards, **reducing manual intervention by 90%** through automated validation, retry mechanisms, and workflow orchestration.
- Built a **secure pipeline** to decrypt, parse, and persist **100K+ fixed-length card feed records** with comprehensive audit logging, enabling **100% record traceability** and rapid isolation of failed records.
- Designed the cancellation workflow with **maker-checker controls**, validating **15+ business rules** across employee exit dates, exception lists, and card status before initiating provider requests.
- Integrated **mTLS-based authentication** with provider APIs and produced internal UI pages for the operations team to action cancellations.

Tailor Money April'26 – May'26
SDE Intern

- Established a **cloud-native financial data platform** ingesting **10K+ market records daily**, including live stock prices, historical OHLC candles, and mutual fund data through Kite APIs.
- Built **scalable serverless data pipelines** using **AWS Lambda**, storing structured financial datasets in **DynamoDB** and **AWS S3** for efficient querying and long-term storage.
- Developed authenticated Lambda Function URLs serving **5K+ API requests per day** with **sub-300ms average response latency**, integrating a React frontend and n8n workflows.
- Conceived and launched an **AI-powered financial assistant** using n8n, enabling intelligent querying and analysis of live market data.

Altruist Technologies Jan'26 – March'26
SDE Intern

- Architected **TAIOS**, a full-cycle, dual-mode **Talent Acquisition Operating System** managing the recruitment lifecycle from job requisition to streamlined onboarding.
- Designed a **multi-tenant role and permission hierarchy** supporting **7 distinct user tiers** with **20+ multi-step sequential workflows**.
- Developed a **real-time AI voice interviewer** with **sub-2 second conversational latency** using Vapi, STT, LLMs, and TTS.
- Reduced recruiter screening effort by 75%** through intelligent assessments and streamlined workflows.

Skills

Languages: C++, Python, JavaScript, TypeScript, Java
Web/Backend: NodeJS, ReactJS, NextJS, TailwindCSS, Spring Boot, FastAPI
Cloud/Database: AWS, Google Cloud, MongoDB
AI/ML: Deep Learning, CNN, NLP, PyTorch, TensorFlow, Generative AI, LangChain, Groq
Core CS: Operating Systems, OOP, Computer Networks, DBMS
Tools: Git

Achievements

- Runner's Up**, Night Sprint Hackathon by IEEE PEC – completed a working prototype under a 24-hour constraint, competing against 40+ teams on problem-solving speed and execution quality.
- Special Mention**, Ideathon by ACM PEC – recognized for an original, well-articulated solution pitch evaluated on innovation, feasibility, and technical depth.
- College Finalist**, Smart India Hackathon – shortlisted from a large pool of intra-college teams for a nationally recognized government innovation challenge.
- Joint Head**, Pecfest Website 2025 – led a small team to design, build, and deploy the official festival website, coordinating content, timelines, and cross-functional inputs.

Projects

HireSphere Sep'25
AI-Driven Hiring & Talent Verification Platform | Next.js, FastAPI, MongoDB, LangChain, YOLOv8, Groq, Blockchain

- Launched an AI-driven recruitment platform featuring **6 role-based dashboards**, automated resume screening, and **blockchain-verified** candidate credentials to simplify the hiring process.
- Introduced intelligent interview assistants using **LangChain** and **Groq LLMs**, integrating AI-generated technical assessments, adaptive coding evaluations, and real-time candidate feedback.
- Created an **AI proctoring system** using **YOLOv8** for live interview monitoring, enabling face detection, object detection, and suspicious activity tracking.

Mini-Read May'25
Your Personal Booklist & Recommendation Hub | React.js, Flask, MongoDB, Hugging Face

- Created an interactive UI that lets users organize personalized book collections, review detailed book insights, and track their reading history.
- Implemented a **faceted search feature**, allowing users to refine book searches by genre, author, and title, and **decreased average search time**.
- Devised **genre-based and collection-based recommendation systems** on top of a **50K books dataset**, enhancing user engagement through tailored suggestions.

Drona March'25
Achieve Your Target in One Shot | Next.js, FastAPI, LangChain, ChromaDB, Groq

- Established an intuitive platform for users to upload PDFs, YouTube URLs, and website links to generate structured cheat sheets with markdown-based formatting.
- Integrated a responsive UI with light/dark modes, seamless navigation, and embedded YouTube resources for interactive, topic-wise study guides.
- Enabled users to download study guides for **100% offline access** and produced a dashboard for tracking study hours, quiz performance, and progress.
- Implemented a markdown-based interface to display **RAG-based chatbot** responses, structured study materials, **LaTeX-rendered formulas**, and auto-generated quizzes.

Twacha-AI Feb'25
Where Tech Meets Skincare & Beauty Meets Intelligence | Next.js, Computer Vision, Flask, Git, TailwindCSS

- Devised an AI-powered skincare platform detecting **13 skin conditions** with high accuracy using **YOLO**.
- Optimized Llama 3.3 70B**, cutting response time for personalized skincare advice.
- Engineered a real-time AI pipeline for personalized recommendations based on age and gender, delivering tailored suggestions to users.
- Curated **2K+ dermatology images** to train the model.