

ARSHIN SIKKA

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EDUCATION

National University of Singapore **Aug 2023 - May 2027**
Bachelor of Computing in Computer Science & a Second Major in Innovation (iDP)

- Relevant Coursework: Introduction to AI & ML, Software Engineering, Data Structures and Algorithms, Computer Organisation, Discrete Structures, Calculus and Linear Algebra.

Delhi Public School, R.K.Puram, New Delhi, India **Apr 2016 - Mar 2023**
High School Diploma (CBSE)

- Graduated with an aggregate score of 96.4%, achieving 99% in Computer Science and Mathematics. Awarded a Gold Medal for seven consecutive years of academic excellence.

WORK EXPERIENCE

AI Labs Intern, KPMG, Gurugram, Haryana **May 2025 - Aug 2025**

- Developed an agentic RAG (Retrieval-Augmented Generation) chatbot using LangChain and Azure OpenAI to automate document querying and intelligent PDF retrieval across internal databases, streamlining access to knowledge assets for consulting workflows.

SDE Intern, AlygnAI, California, United States (Remote) **Jun 2025 - Present**

- Contributed to Alygn AI's product development by building dynamic frontend components using WeWeb and conducting research on LLM fine-tuning strategies to enhance model performance and adaptability for enterprise use cases.

SWE Intern, StatusNeo, Gurugram, Haryana **May 2024 - Jul 2024**

- Gained expertise in Spring Boot framework and related technologies, developing robust, scalable web applications through independent projects.
- Contributed to a major banking project in India, assisting in development and maintenance of high-performance enterprise applications.

Data Analytics Intern, Lagozon Technologies, New Delhi, India **May 2022 - Jun 2022**

- Developed data models using Power BI and SQL to analyse business trends, improving data sharing efficiency through a BI project report, while strengthening programming and analytical skills through teamwork on real-world projects.

PROJECTS

Co-Founder, Lecture AI, Singapore **Mar 2025 - Present**

- Spearheading development of Lecture AI, an AI-powered lecture summarization tool currently in MVP stage; refining speech-to-text and topic segmentation models to boost academic utility; backed by BLOCK71's incubation programme for early-stage startups.

Developer, TrackUp – Software Engineering Project, Singapore **Mar 2025 - May 2025**

- Built and deployed TrackUp, a full-featured Java CLI tool for managing contacts and events, with smart parsing, category filtering, and robust backend logic.

- Led end-to-end development across backend and UI layers, collaborating in an agile team to ship a complete, test-driven software product with full documentation and CI integration.

Product Designer, Pediatric Tendon Stapler Project, NUS iDP **Jan 2025 - May 2025**

- Co-led the design and prototyping of a pediatric tendon stapler to enhance surgical precision and recovery, applying user-centered research and cross-disciplinary collaboration to develop an ergonomic, one-handed device compatible with bioabsorbable staples.

Co-Founder, Website Development for Donation, New Delhi, India **Oct 2020 - Jan 2022**

- Co-founded Donationation.net during the pandemic to connect donors with NGOs; led multiple drives and coordinated logistics to deliver essential supplies efficiently.

RESEARCH EXPERIENCE

Research Assistant (CyberSecurity) – Dr. Ming, NUS, Singapore **Feb 2025 - Mar 2025**

- Researched LLM-driven cybersecurity solutions, integrating Graph Neural Networks (GNNs) and First-Order Logic (FOL) to revamp causal graph extraction and anomaly detection.
- Developed and optimized LLM-based invariant extraction pipelines, leveraged domain-specific tokenization and contextual embeddings to revamp log analysis and anomaly detection.

Research Intern & Author, Medanta Hospital, Gurugram, India **Dec 2021 - Nov 2022**

- Interned at Medanta Hospital during the COVID-19 pandemic, where I tested and refined a telemedicine platform with clinicians, gathered usability feedback, and authored and published a research paper titled “The Future of Telemedicine in India” .

CO-CURRICULAR ACTIVITIES

Professional Player and High School Captain, Chess **Apr 2013 - Present**

- International & National Representation: Represented India in the 2019 Commonwealth Chess Championship and was runner-up in a FIDE-rated tournament with 693 participants. Led teams to victories in NUS Inter-Faculty Games & IPSC U19 Championship, earning Best Player (2022).
- Leadership & Strategy: Captained school and university chess teams for 10+ years, developing strategic thinking, leadership, and teamwork, fostering consistent success in competitive environments.

Human Resource Associate, NUS Student Union, Singapore **Nov 2024 - Present**

- Facilitated onboarding, well-being check-ins, and engagement initiatives to foster a collaborative, high-trust environment across the university’s apex student body.

COMMUNITY INVOLVEMENT

Volunteer, Teach Singapore, (Mentor), Singapore **Sep 2024 - Dec 2024**

- Mentored underprivileged children, providing academic coaching and enrichment activities improved confidence, motivation, and learning outcomes.