Ark Malhotra

New Delhi, India   ark.malhotra.ug24@nsut.ac.in   083688 13202   sqrtnegativone.github.io
ark-malhotra-431938323   SqrtNegativOne

Education

B.Tech	**Netaji Subash University of Technology**, CSE	Aug 2024 – June 2028

- CGPA: 8.6

Experience

ML Engineer, GDSC Society   Nov 2024 – present
- Contributed to society projects such as makemore, AI factchecking.

ML Engineer, TDS Society   Oct 2024 – present
- Organised and helped judge an inter-college data science competition with 50+ participants.

DSA Specialist, D'Code society   Oct 2024 – present
- Helped organise six society events in Oblivion'25.

Projects

Modular AI Factchecking Pipeline   June 2025 – July 2025
Python backend for an AI factchecking app.
- Statically typed, class-local imports and cache for speed improvements.

Personal Website   Oct 2024 – present
Portfolio website and blog
- Built using raw HTML CSS and Javascript, and Eleventy for blog.

Hand Cricket Multi-Agent Bandit model   June 2025 – June 2025
Python backend for a Multi-armed-bandit using Experts-As-Arms to beat you at Hand cricket.
- Statically typed game-theory-inspired agent to win at the old game of Hand cricket by detecting patterns in user's moves.

Skills

Languages: C++, C, C#, Javascript, Typescript, Python

Technologies: Svelte, Tailwind, PyTorch, Matplotlib, FastAPI, Git

Core Concepts: Machine Learning, Artificial Intelligence, Backend, Object Oriented Programming

Societies: Team Debugging Society (ML Engineer), Google Developer Student Club (ML Engineer), D'Code (DSA Specialist), Axiom the Phiosophy society (Content and newsletter writer)