

Arjun Singh Ahluwalia

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SUMMARY

CS major and really fascinated by data structures, algorithms, and backend development. I prefer to develop full-stack applications in TypeScript and Python, specializing in the design of scalable REST APIs and exploring the idea of local-first.

I am especially motivated by knowing how systems operate on a global scale, both in terms of creating efficient logic, as well as providing reliable and efficient behavior in practice. I appreciate the importance of writing clean code and maintainable code and constantly strive to hone my problem solving skills using projects and practice.

TECHNICAL SKILLS

Programming Languages: Python, C++, C, Java, JavaScript, TypeScript, SQL

Frameworks/Technologies: Node.js, Express, MongoDB, React, Tailwind, Flask

Libraries & Tools: NumPy, Pandas, Matplotlib, Ollama, GitHub, Git, Docker, Cursor

PROJECTS

MERIDIAN

Multi-Source AI Decision Assistant

Jan 2026 – March 2026

TypeScript, Node.js

- Built a multi-source AI system for querying and aggregating heterogeneous data.
- Designed agentic query orchestration with parallel execution and fault tolerance.
- Implemented entity resolution and ranking for explainable recommendations.
- Github Repo Link (Arjun-Walia/Meridian-)

TraceEnv

Developer Tooling CLI

Feb 2026 – Present

Node.js, TypeScript, Docker

- Built a CLI to automate project setup across Node, Python, and Docker.
- Designed a planning engine for safe command preview and execution.
- Implemented retries and diagnostics for reliable execution.
- NPM Installation command (npm i -g @arjunwalia/traceenv)

Debloat AI

AI-Powered Desktop Application

Dec 2025 – Feb 2026

Electron, React, Python, ADB

- Built an AI desktop app for Android debloating via NLP and ADB.
- Developed intent-to-action mapping with validation safeguards.
- Implemented backup/restore and risk analysis for safe operations.
- Landing Page Link (Debloat_AI)

EDUCATION

Lovely Professional University

B.Tech Computer Science Engineering

Punjab, India

Aug 2024 – May 2028

Cambridge International School

12th Non-Medical (86%), 10th (88%)

Punjab, India

Aug 2009 – May 2024

CODING PROFILES

LeetCode(Arjun Walia): Solved 450+ problems, Global Rank 200,000

HackerRank(arjunwalia957): 4-Star problem solver, 5 Stars in Python and C++

GeeksforGeeks(Arjun Walia): Solved 200+ problems