

Soham Jariwala

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EDUCATION

CORNELL UNIVERSITY COLLEGE OF ENGINEERING

Bachelor of Science in Computer Science

Ithaca, NY

Expected Graduation: May 2029

FAZLANI L'ACADÉMIE GLOBALE

GPA: 4.0/4.0

Mumbai, India

May 2025

- Honors: Valedictorian; International Olympiad Medalist (PIMSO, IOCSEA, CEMC Hypatia, AMC 12); CREST Gold Research Award; High School Hackathon and IIMUN Winner.
- Activities: Greenovation Club Founder; Science & Sustainability Club (Board Member); CS Club Lead & Full-Stack Architect (150+ AI Heuristics); Inter-School Football Champion; Rubik's Cube & Athletics Coordinator; UNICEF & United Way Project Manager.

PROFESSIONAL EXPERIENCE

Karalabs (YC S26)

Founding Engineer

San Francisco, CA

April 2026 - Present 2026

- Engineered advanced computer vision models achieving reliable diamond detection using only minimal 2-line frame inputs, architecting AI infrastructure and workflow automation empires to power precision diamond intelligence.

DIAMOND PLUG LA (Diamond Startup)

Strategy & Technical Intern

Los Angeles, CA

December 2025 - January 2026

- Consulted for international stakeholders, using Deep Learning techniques to analyze historical sales data, streamline supply chains for lab-grown diamonds and predict future design trends for optimizing margins and fulfill B2B orders across HK, UAE, and LA.

iCode (Texas-based Multinational Company)

Software Engineering Intern

Mumbai, India

May 2024 - July 2024

- Developed full-stack AI solutions using Python (Django, Flask), NumPy, and Pandas, ranging from predictive modeling for wildlife conservation to real-time forest fire forecasting, researched pathfinding algorithms to navigate complex robotics environments.
- Engineered computer vision programs including face-following drone navigation and CIFAR-10 image recognition models (working with 60000+ image datasets), utilizing Python, C, and Java for high-performance execution, developing 30+ programs for them.

LEADERSHIP & ACTIVITIES

Jewel Labs

Co-founder & CEO

Dubai, UAE

September 2025 - Present

- AI Infrastructure for Rare Metals, Jewelry & Diamonds trades - building custom fine-tuned AI models for F500 companies and global leaders. Provided AI Jewelry Storefronts, Diamond Planning & Cutting Optimization, Private Design Systems, Compliance & DDS Automation, Smart CRM, diamond data licensing and E2e workflow solutions to boost sales and reduce costs.

Carnegie Mellon University: School of Computer Science

Technical Research Assistant (Remote)

Pittsburgh, PA

May 2026 - Present

- Analyzed massive diamond imaging and ML datasets to extract unique physical imprints for immutable blockchain integration.
- Cryptographically binds these signs on-chain to ensure diamonds cannot be cloned, swapped, or forged into the supply timeline.

504 Found

CXO

Washington, D.C.

May 2022 - February 2025

- Nonprofit that partnered school districts across the United States with student mentors to support students with learning accommodations (IEPs and 504 plans) in time management and academic skills. 504 Found was recognized by Forbes 30 Under 30.

Mentored Research Paper: Deep Learning & Computer Vision ([Link](#))

Author & Developer

Mumbai, India

May 2023 - April 2024

- Engineered a custom, production-ready CNN in Python to automate crop health monitoring; deployed the AI model at a local farm, resulting in measurable yield and revenue increases through early-stage disease detection, real-time health diagnostics, and solutions.
- Published original research on the IEEE Preprint Platform (**2000+** views, **100+** Downloads) and received Technical Excellence awards from Crest Gold and IRIS and verification of the CNN-based computer vision software by industry professionals.

SKILLS

Languages: English (Native), Hindi (Fluent), Farsi (Fluent), Marathi (Fluent), Gujarati (Fluent), French (Limited working proficiency)

Computer: Java, Python, C, R, JavaScript, HTML, CSS, and Visual Basic

Statistics: Probability, Inferential Statistics, Regression Analysis, Time-Series Forecasting, Hypothesis Testing

Interests: Cricket, Traveling, Chess, Casino Games, and Gym