Agastya Raj Singh

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EDUCATION

University of California, San Diego Sep 2022 – Expected Mar 2027

B.S. Mathematics–Computer Science, Minor in Economics

Coursework: Probability & Statistics, Econometrics, Optimization, Machine Learning, Minor in Economics

EXPERIENCE

Co-founder & Head of AI — SkyAI Mar 2026 – Present

India (remote) | AI analytics for SkyJumper trampoline parks

- Co-founded the business and won approval to take an AI platform from one live center to SkyJumper's 30 centers in 19 cities.
- Led the relationship with SkyJumper's CEO, operations and software leadership, from first discovery through proposal, go-live and rollout planning.
- Built the business case and commercial proposal, projecting ₹8–20 lakh in recovered revenue per center per year, or ₹2.4–6 crore (~$0.3–0.7M) annually across 30 centers.
- Coordinate on-site IT staff across 19 cities for installation, and work closely with a core AI and management team of 4–5 people.
- Authored commercial proposals and pricing, and presented product demos to executives, translating technical results into business outcomes.
- Earned customer trust with evidence: within 2 people of hand counts on 90% of 205 moments, and caught 4 of 4 over-booked test parties.

Founding Computer Vision Lead (Intern) — Product & Partnerships Jan 2025 – Jan 2026

Playar Inc. | San Diego, CA

- Joined at the company's earliest stage as head computer vision engineer, laying the groundwork for proprietary cricket vision software not available on the market, alongside experienced founders and a team of Qualcomm engineers.
- Combined engineering with product and management work, shaping priorities with leadership as the startup grew into an established company.
- Worked with coaches and batting academies to turn their feedback into product features and academy pilots.

Computer Vision Intern — AI for Agricultural Robotics Jul 2025 – Sep 2025

Tech Mahindra | Pune, India (part-time)

- Delivered harvest-readiness classification (91% mAP) and reduced data acquisition cost with 100K+ synthetic training samples.

Lead Engineer (Intern) — Industrial Safety AI Jun 2024 – Aug 2024

VertexPlus Technologies Ltd. | Jaipur, India

- One of the lead engineers on factory safety software detecting helmets and safety vests, registering workers and managing in/out times for compliance.
- Software deployed across multiple factories and still in use today; contributed to management and business decisions alongside engineering.

Peer Educator — Academic Integrity Program Mar 2025 – Present

UCSD Academic Integrity Office | San Diego, CA

- Lead group sessions and one-on-one conversations with students in difficult situations, building trust, listening and persuasion skills.

PROJECTS

FinSight — Market Analytics & Decision-Support Dashboard Jan 2025 – Present

- Built an equity analytics product with scenario analysis and risk decomposition; backtested to Sharpe ≈ 1.3 and ~300 bps annualized vs SPY.

TECHNICAL SKILLS

Business: Consultative Discovery, Executive Presentations, Proposal Writing, Pricing, ROI Modeling, Stakeholder Management

Technical: AI & Computer Vision Products, Python, SQL, Product Demos, Tableau, Streamlit

ATHLETICS

National-Level Rifle Shooter — Top 10 national prospect; 3× State Champion. Olympic Gold Quest (OGQ) "Project Leap"; $120,000 training scholarship (2018–2020). Assistant Coach, Competitive Shooting Program (2019–2021).