

Arjun Vijay Prakash

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EDUCATION

- **City Montessori School** Lucknow, India
High School (11th & 12th Grade), ISC Board Apr 2026 – Apr 2028
 - **Coursework:** Artificial Intelligence, Mathematics, Physics, Chemistry; ICSE Class 10 Board Score: 95.4%.
- **Lodha Genius – Ashoka University Programme** Ashoka University
Selected Cohort Member, Science Track May 2026 – June 2026
 - **Programme:** Residential science and research programme with advanced math, science, and faculty-led sessions.

EXPERIENCE

- **Synthica** Remote
Associate Editor, Computer Science May 2026 – Present
 - **Selection:** Selected from 400+ applicants; 47 associate editors chosen across 8 categories.
 - **Editorial Review:** Reviewing computer science research submissions and evaluating technical quality for peer review.
- **City Montessori School** Lucknow, India
Vice President, HackSpace May 2026 – Present
 - **Leadership:** Leading HackSpace, a student-run technology club for software development and hardware projects.
 - **Workshops & Projects:** Organising sessions across apps, web, games, Arduino, robotics, and 3D modelling.
- **Pilot** Remote
Chief Technology Officer (CTO) July 2025 – Present
 - **Technical Leadership:** Leading development of an AI-powered Instagram automation platform for creators. Managing DM automation, lead responses, and deal tracking.
 - **Architecture & Stack:** Architected the full-stack app with Next.js, React, Node.js, PostgreSQL, Instagram API, and Gemini API.
- **Technical Writer** Remote
Freelance Technical Writer July 2025 – Present
 - **DEV.to:** Built 35,000+ followers and 410,000+ views by writing about web development, AI, and programming.
 - **Earnings:** Earned \$2,450 through technical writing, including \$1,375 in 2025 and \$500 from the Runner H AI Challenge.

PROJECTS

- **MEN2 Predictor (INSEF Bronze):** Medical ML pipeline for MEN2 syndrome: 97.20% accuracy and 100% sensitivity across 152 patients and 20 studies.
- **Analyzr (200+ Product Hunt Upvotes):** Open-source analytics with one-line setup, real-time tracking, custom events, Discord alerts, and performance monitoring. Built with Next.js, Supabase, and TypeScript.
- **WebCrawlAI (119 Stars):** Gemini-powered scraping for dynamic websites, CAPTCHAs, and JSON extraction. Built with Python, Flask, Selenium, and Thordata.
- **ChemistryCheck:** RAG-based chat analysis for WhatsApp, Telegram, and Instagram exports. Built with Next.js, Drizzle ORM, Better Auth, and Gemini API.

ACHIEVEMENTS

- **Harvard CS50 Series:** Completed CS50x, CS50T, Ready Player 50, and CS50x Puzzle Day 2024/2025 Gold certificates.
- **FreeCodeCamp Certifications:** Responsive Web Design, Front-End Development Libraries, and College Algebra with Python.
- **Competitions:** Top 25 in Xavier University's Invisible Wars Cyber Defense Challenge; Top 100 at HACKHAZARDS.
- **YC Startup School India:** Confirmed attendee for Y Combinator's Bangalore event.

SKILLS

Web / App

TypeScript, React, Next.js, Node.js, PostgreSQL, MongoDB, Supabase, Tailwind CSS

Research / Editorial

Research writing, peer review, editorial standards, technical writing

AI / Data

Python, scikit-learn, XGBoost, LightGBM, SHAP, pandas, NumPy, Gemini API

Leadership / Community

Team management, workshop planning, club leadership

Embedded / Hardware

ESP32, Arduino C++, I2C OLED, rotary encoder, DHT11, MQ-135, Wi-Fi/NTP, robotics, 3D modelling