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Abhinav Ramachandran

Software Engineer

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I am a software engineer and ICPC World Finalist with experience evaluating LLM outputs at scale, including designing pseudoraters and evaluation mechanisms for factuality and groundedness at Google Search (100M+ DAU). I am pivoting toward AI safety because I believe that technology, when wielded without conscious intervention in how it is built, measured, and used, tends toward catastrophic outcomes rather than beneficial ones. Understanding and addressing the incentive systems that drive this dynamic—the metacrisis, including climate, polarization, and AI safety—is my primary motivation for seeking roles in AI capability evaluation and risk assessment.

TECHNICAL EXPERIENCE

Independent

October 2025 — Present

AI Safety, Digital Sovereignty, Consulting

San Francisco

- Built a **self-hosted AI agent system** with **LLM integration**, **tool orchestration**, and **80+ automated skills** for personal infrastructure management, including **agent scaffolding**, **evaluation pipelines**, and **automated monitoring**.
- Founded **lbr8.tech**, a consulting practice helping individuals achieve **digital sovereignty** through self-hosted infrastructure and privacy tooling.

Software Engineer / Google

September 2022 — October 2025

Google Search

Mountain View

- Designed **pseudoraters and evaluation mechanisms** for LLM outputs to ensure **factuality and groundedness** on shopping search queries, serving **100M+ DAU**.
- Designed **large-scale A/B experiments** for high-impact ranking and feature changes in Google's AI summaries.
- Pseudorater was **adopted across the organization** for shopping quality evaluation.

Software Engineer / Uber

July 2021 — August 2022

Uber Rent

Bangalore

- Developed **Java and Go microservices** interfacing with external APIs, improving third-party gateway reliability by **over 90%**.

Software Engineer Intern / Apple

July 2020 — December 2020

Site Reliability Engineering

Hyderabad (Remote)

- Managed **thousands of load-balancing devices** and built an **internal search engine** for engineers to diagnose and troubleshoot production issues.

COMPETITIONS AND ACHIEVEMENTS

Honorable Mention	45th Annual ICPC World Finals Dhaka ^	November 2022
Rank 5	ICPC Asia Amritapuri Regional Contest ^	August 2021
Global Rank 22/ National Rank 6	Google Kickstart Round D 2021 ^	July 2021
Global Rank 244/ National Rank 29	Google Hash Code 2021 ^	February 2021
Master (rating: 2190)	Codeforces ^	August 2020
Rank 4	HackerEarth BattleOfBots (Artificial Intelligence) ^	November 2016
1570/1600	SAT Examination	November 2016

EDUCATION

Bachelor Of Engineering, Computer Science, Birla Institute of Technology & Science Pilani

August 2021

Graduated With Distinction, Received Merit Scholarship

CGPA: **9.06**

COLLEGE ACTIVITIES

Editor In Chief / English Press Club BITS Pilani

July 2019 — June 2020

Campus Newsletter

Pilani

- Spearheaded the publication of the college's monthly newsletter**, managing a team of **40+ students** with a readership of **4000+ members**.

SKILLS

Programming

Python, C++, Go, Java, Git

Technical

LLM evaluation & grounding, agent scaffolding, distributed systems, reverse engineering, data analysis

Communication

English, Tamil