



# SAMUEL DAVID ANAND SHADRACH

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## ACADEMIC DETAILS

Year	Degree / Board	Institute	GPA / Marks(%)
2018-2023	B.Tech and M.Tech in Biochemical Engg & Biotechnology	Indian Institute of Technology, Delhi	8.05
2018	CBSE Grade XII	Bloom Public School	87.4%
2016	CBSE Grade X	Bloom Public School	10

## SCHOLASTIC ACHIEVEMENTS

- **Joint Entrance Examination (JEE) Mains 2018:** All India Rank 1878 of 1.26 million applicants across India
- **Joint Entrance Examination (JEE) Advanced 2018:** All India Rank 4088 of 150,000+ applicants selected from JEE Mains
- **KVPY Scholar 2016:** All India Rank 338 of 877 selected scholars of 50,000+ applicants  
Awarded Kishore Vaigyanik Protsahan Yojana scholarship by IISc, Bangalore; sponsored by Government of India
- **JSTSE Scholar 2014-15:** Awarded Junior Science Talent Search Examination Scholarship conducted by the Govt of Delhi, India

## INTERNSHIPS

- **Risk management, project management @ Rari Capital (Summer 2021)**  
Managed financial risk, aided with strategy and project management. At Rari Capital, an ethereum-based lending app startup with over \$1 billion AUM. US-based team. Was offered full-time leadership role
- **Advisor @ Market.xyz (Summer 2021)**  
Helped incubate Market.xyz, a DeFi lending app startup for the Polygon ecosystem. Currently \$60 million AUM. Bangalore-based team.
- **Teaching internship @ CampK12 (July 2020)**
- **Content development @ PISA (Dec 2019)**  
Developed evaluative content for PISA – a worldwide study by OECD to evaluate educational systems of various nations
- **Teaching internship @ Aarohan (Across 2018-19)**  
Taught advanced physics to economically weak students for JEE-Mains and Advanced
- **Selected for research fellowship @ University of British Columbia, Canada (Summer 2020)** - Cancelled due to COVID

## PROJECTS

- **COL764: Information retrieval and web search (Sep-Dec 2020)**  
Fast top-k search of natural language queries in knowledge graphs using semantic similarity optimised for high-performance computing system
- **HSL704: Inclusive innovation (Jan-May 2019)**  
Design thinking project on how to ensure affordable nutrition for construction workers and families in Delhi slums

## TECHNICAL SKILLS

- Blockchain, DeFi: Advanced understanding of most topics – cryptography, consensus, scaling, oracles, MEV, cryptoecon. design
  - Programming: Git, C++, Python, HTML, CSS, JS, NodeJS, MIPS (FPGA), SML, MATLAB, LaTeX
  - UI/UX basics
- Completed Effective Altruism In-depth workshop by Centre for Effective Altruism
- Selected for paid trip to EAGx Prague Dec 2021 (could not attend due to COVID)

## RELEVANT COURSEWORK

INCLUSIVE INNOVATION: THEORY AND PRACTICE; FUNDAMENTALS OF LANGUAGE SCIENCES; INTRODUCTION TO PSYCHOLOGY; SELECTED TOPICS IN PHILOSOPHY; PROFE. ETHICS & SOCIAL RESP. I&II; LANGUAGE & WRITING SKILL I&II; DIGITAL LOGIC & SYSTEM DESIGN; INFORMATION RETRIEVAL AND WEB SEARCH; COMPUTER ARCHITECTURE; DIFFERENTIAL EQUATIONS; LINEAR ALGEBRA & DIFFE. EQUA.; CALCULUS;

## EXTRA CURRICULAR ACTIVITIES

- Drums: Completed Grade 6 Drumkit from the Rock School of Music, London
- Debate: Participated in numerous debates at IITD debate club • Chess • Reading, writing: Written short sci-fi, poems