

Trishan Chudasma

Harrow, England | trishanchudasma@gmail.com | [linkedin.com/in/trishanc](https://www.linkedin.com/in/trishanc) | github.com/chudasmatt

EDUCATION

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| University of Warwick <i>BSc Computer Science [Expected 1st Class Honours]</i> | Coventry, Warwickshire Sep 2025 — Jun 2028 |
| St Dominic's Sixth Form College <i>A-Level: Achieved Grades A*-A in Maths, Further Maths, Computer Science, Physics</i> <ul style="list-style-type: none">Awarded "Best Computer Science Student" in cohort | Harrow, Greater London Sep 2023 — Jun 2025 |
| Bushey Meads School <i>GCSE: Achieved Grades 9-8, including Grade 9 in Mathematics and English Language</i> | Bushey, Hertfordshire Sep 2018 — Jun 2023 |

EXPERIENCE

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| Jane Street <i>First-Year Trading and Technology Programme</i> <ul style="list-style-type: none">1/75 from 15000+ applicants accepted onto spring weekCompeted in various simulated market-making environments; placed 3rd in the "Widget Factory" trading competition by optimising pricing strategies under high-volatility scenarios.Explored the intersection between quantitative trading and development through deep-dive sessions with Jane Streeters | London, England Apr 2026 |
| RBC Capital Markets <i>STEM Into Banking Insight</i> <ul style="list-style-type: none">1/20 from 3000+ applicants accepted onto insight programmeGained exposure to technology-driven roles including software development, fintech, and investment bankingNetworked with industry professionals, learning about their roles and journeys to banking | London, England Dec 2025 |
| VEX Robotics <i>Team Lead + Programmer + Driver [Team 282S]</i> <ul style="list-style-type: none">Raised over £4000 to kickstart initiative at secondary school and sixth form; 22 awards accumulated across tenureImplemented velocity and motion control algorithms in C++, improving autonomous success rate by 50%Developed an odometry subsystem using arc modelling and IMU sensor fusion to accurately track field positionRepresented the United Kingdom at the World Championships in Dallas, Texas | Harrow, Greater London Nov 2021 — Apr 2025 |
| G-Research <i>Quantitative Finance Work Experience</i> <ul style="list-style-type: none">1/13 out of 600+ applicants accepted onto the Engineering strandCollaborated to build a weather application using Python, Polars, Bootstrap and FastAPITrained a ML model with TensorFlow to predict future weather patterns based on historical dataManaged workflow using Git, reducing project completion time and improving efficiency | London, England Jul 2024 — Aug 2024 |

PROJECTS

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| Prediction Market Simulator <i>Python, NumPy, matplotlib, pytest</i> <ul style="list-style-type: none">Designed a binary prediction market simulator using an LMSR automated market makerImplemented numerically stable pricing algorithms, preventing floating-point overflow during high volumeBuilt logging and visual tools to track probability evolution to analyse and debug system behaviour |
| Numio <i>JavaScript, React, Tailwind CSS, Firebase</i> <ul style="list-style-type: none">Developed a full-stack finance tracker with secure Firebase authentication and real-time Firestore databaseBuilt an interactive dashboard with income/expense tracking, budget pots, and analytics charts |
| Cmndr <i>Javascript, React, HTML, CSS</i> <ul style="list-style-type: none">Created an educational AI assistant to assess GCSE Economics exam answers using GPT-3 APIImplemented a multi-stage prompt engineering pipeline to refine responses and ensure constructive feedback |

TECHNICAL SKILLS

Technical: Python, C++, JavaScript, React, Git, Firebase, Excel, FastAPI, Polars, NumPy, TensorFlow
Languages: English (Native), Gujarati (Fluent), Hindi (Competent)