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Education

- **University of Bath** Bath, UK
Bachelor of Science in Computer Science with honours October 2016 - May 2023
 - Recipient of Technology Scholarship by J. P. Morgan
 - Peer Assisted Learning Leader for Computer Science (awarded)
 - Prolonged due to a family emergency and the pandemic
- **Abacus College** Oxford, UK
University Foundation Programme September 2015 - June 2016
- **St. Gregory the Great Catholic School** Oxford, UK
Sixth Form September 2014 - August 2015

Work Experience

- **SupplyCompass** Hyderabad, India
Front-end Developer October 2019 - August 2020
 - A British startup that digitises global supply chains, making manufacturing simple and cost-effective for brands in the fashion industry
 - Raised £1.5m in seed funding by London-based VC, Episode 1
 - Responsible for creating the client-facing web application in React
- **Private Tutor** Remote
Computer Science and Mathematics February 2018 - present
 - Tutoring computer science fundamentals and advanced concepts to KS2, KS3, GCSE, A-Level, and degree-level students
 - Worked with children and teenagers with ASD and learning disabilities
- **SeatSpace Technologies Limited** Bath, UK
Managing/Technical Director & Co-founder October 2017 - June 2019
 - Led the backend engineering team in developing a RESTful API following the MVC architecture; maintained web servers; and built a database schema
 - Led the app engineering team in developing an Android/iOS mobile application which relays data from the API to the client
 - Developed the framework, communication and network layer for Arduino hardware
- **J. P. Morgan Chase & Co.** Bournemouth, UK
Technology Analyst June 2018 - November 2018
 - Delivered a state-of-the-art full-stack web application for the bank's clients using React, Java Spring Boot, microservices, as well as used DevOps tools such as Jenkins, Maven, and Gradle
 - Collaborated with 20+ team members every day working on the same project
 - Contributed to creating and maintaining stored procedures in SQL for our project's DBMS
 - Part of university placement programme
 - Ended prematurely due to a family emergency
- **Imaginera Limited** Oxford, UK
Software Engineer Intern July 2017 - September 2017
 - Helping build Underwriting applications for an international reinsurer based in London and Bermuda with WPF and .NET
 - Developed machine learning models (using multivariate regression, decision tree, SVMs, and Gaussian processes) to predict signed lines for reinsurers from scratch
 - Implemented unit tests for a large scale underwriting application written

Relevant Skills

Operating Systems: Linux, Windows

Languages: C, C++, Java, Go, Python, PHP, JavaScript, L^AT_EX, C#

Libraries/Frameworks: Laravel, Node.js, React (+ Native), Express, Bootstrap, Wordpress, .NET WPF

Database Technologies: MySQL, MongoDB, Firebase, SQL Server

DevOps: Git, Azure DevOps Server, CircleCI, Maven, Jenkins, Agile Scrum

Cloud: Docker, Kubernetes (with Minikube)

Tools: Shell, Visual Studio, Vim, Powershell, ADB, Tailwind, Postman

Spoken Languages: English (*native proficiency*), Hindi (*native proficiency*)

Achievements & Awards

- **500+ problems solved — Rank 7 in the UK**
Project Euler *October 2014–present*
- **Top 50**
Facebook Hacker Cup *January 2015*
- **Gold medal**
UKMT Senior Mathematics Challenge *December 2015 & 2016*
- **Top 40**
TopCoder Algorithm Competition *June 2016*
- **3rd place** Bournemouth, UK
J. P. Morgan Code For Good Hackathon *November 2016*
- **1st place** Bath, UK
University of Bath Launchpad Hackathon *March 2017*
- **Winner for Team Rubicon** Bournemouth, UK
J. P. Morgan Code For Good Hackathon *June 2017*
- **1st place** London, UK
Wayra Africa Tech Day Fintech Hackathon *July 2017*
- **Technology Scholarship** London, UK
J. P. Morgan Chase *2017*
- **Peer Assisted Learning Leader of the Year** Bath, UK
University of Bath Student's Union *March 2017*

Projects

- **kmOS** 2017 - present
A UNIX-based monolithic operating system. Pronounced k-moss. [repository](#)
- **Polyfish** 2017 - present
An IoT-based occupancy detection system [website](#)
- **Brahma** 2018 - present
A UCI/Xboard-compliant chess engine with deepening search and lazy SMP evaluation [repository](#)
- **cool_primes** 2017
Lazy prime number generator with deterministic & probabilistic primality tests [repository](#)
- **CMath** 2017-2019
Tiny, recursive mathematical parser & evaluation engine. Faster than "math.h". [repository](#)
- **FORTTRAN cryptographic libraries** 2016
Self-explanatory. Created cryptographic libraries for FORTRAN95 because no one else did [repository](#)