

Nidhushkar Raveelackshman

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Full-stack developer and final-year Computer Science with AI student at King's College London, specialising in TypeScript and Rust. Passionate about building high-performance applications with a keen interest in blockchain technology.

Education

King's College London, BSc in Computer Science with Artificial Intelligence **Expected Aug 2025**

- **Notable Modules:** Distributed Ledgers and Cryptocurrencies, Machine Learning, Optimisation Methods, Cryptography, Concurrency and Operating Systems
- **Dissertation:** "A Comparative Analysis of Proof of Work and Proof of Stake Under Sybil, Long-Range, and Selfish Mining Attacks" – Awarded a First Class grade
[Link to PDF](#)

Sutton Grammar School **2014 - 2021**

- **A-Levels:** Mathematics, Further Mathematics, Computer Science

Skills

Languages: TypeScript, Rust, Python, Java, SQL

Technologies: WebSockets, RESTful APIs, PostgreSQL, Blockchain (concepts and consensus mechanisms), Git
Soft Skills: Problem-solving under pressure (hackathons), teamwork (group projects), self-motivated learning, effective communication

Projects & Experience

Real-Time Monitoring System for Dynamic Inventory Updates **May - July 2025**
(Production-Level Project)

- Developed a robust, high-performance system in Rust to monitor real-time updates across multiple sources, serving as an alternative to existing market tools.
- Utilised asynchronous programming with Tokio for concurrent task handling, including WebSocket connections for live data streaming.
- Designed a multi-client architecture with API key authentication and a RESTful API server, ensuring secure and reliable access.
- Tools: Rust, Tokio (async runtime), WebSocket (tokio-tungstenite), PostgreSQL/SQLx, FlatBuffers (data parsing), RESTful API design
(Source code private due to commercial sensitivity.)

Voice IP Marketplace on Story Protocol (Web3 Buildathon Winner) **May - June 2025**

- Collaborated in a 3-person team to develop VocalIP, a decentralised marketplace for voice intellectual property, winning a main prize in the Surreal World Assets Buildathon - a global event hosted by Encode Club and Story Protocol with over 800 participants and 118 submissions.
- Implemented key features: voice recording, marketplace listing, licensing via smart contracts, and AI-powered real time content generation.
- Tools: Next.js, TypeScript, React, Ethers.js, Story Protocol, Remotion, IPFS, Web3 Integration
- Github: github.com/makimakiver/vocalip
- Link to site: vocalip-4s7p-git-main-makimakivers-projects.vercel.app

Feb - Mar 2023

Ticket Selling Platform Targeting University Societies

- Collaborated as a team to develop a full-stack platform for event ticket sales, handling user authentication, inventory management, unique ticket generation, and payment processing.
- Tools: NodeJS, ExpressJS, React, MongoDB
- Github: github.com/TomHurford/TeamTeam-BookingApp

Jan 2021 - Present

Independent Crypto Trading

- Actively traded my personal portfolio both onchain and on exchanges, including perpetual futures markets.
- Developed and refined my own trading strategies and analysis tools, applying them with consistent risk management.
- Formed a network of like-minded blockchain enthusiasts to discuss emerging technologies, projects, and investment opportunities.
- Regular DeFi user - yield farming, liquidity provision, onchain derivatives and NFTs. Comfortable interacting with smart contracts and analysing protocol mechanics

Additional Information

- **Languages:** English (Native), Tamil (Native), French (Basic)
- **Sports:** Karate, Cricket, Taekwondo
- **Achievements:** Successfully competed in numerous national and international karate tournaments, including winning a medal at the 2017 European Championships.
- **Coaching Experience:** Worked as a karate instructor, teaching both adults and children. Developed leadership, planning, and communication skills.