

Priitivi Ravi

CONTACT

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EDUCATION

University of Warwick

Coventry, UK

Bachelor of Science in Computer Science

Oct 2021 – Jun 2024

- Dissertation (2:1): Predicting the Price of Bitcoin Using Machine Learning and Social Sentiment
- Technologies used: VADER sentiment analysis, LSTM models, Python

John Lyon School

Harrow, UK

A-Levels

Sept 2018 – Jun 2020

- Achieved: 3 A*s, 2 A's (Maths, Computer Science, EPQ, Physics, Further Maths)

John Lyon School

Harrow, UK

GCSEs / IGCSEs

Sept 2015 – Jun 2018

- Achieved: 7 A*s, 3 A's

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), Python, CSS, HTML, C#, Java, Haskell
- **Frontend:** React, TailwindCSS, Vite, Axios, Next.js
- **Backend:** Node.js, Express, Passport.js (Steam OpenID), JWT, REST APIs
- **Database/DevOps:** PostgreSQL, SQL, Docker, Railway, Vercel
- **Tools:** Git, GitHub, Jest, Supertest, Electron, Windows Networking Modules

PROJECTS

CS2Squad – Full-Stack Team Finder Web App

Jan 2025 – May 2025

- Designed and built a full-stack matchmaking platform for Counter-Strike 2 players.
- Implemented Steam authentication using Passport.js with JWT token system for secure sessions.
- Implemented backend unit tests using Jest and Supertest to validate authentication, team creation, and protected API routes.
- Developed the frontend with React + Tailwind
- Built a Node.js + Express backend connected to a PostgreSQL database (hosted via Railway).
- Deployed live on Vercel (frontend) and Railway (backend), with custom domain configuration and CORS/security best practices.

Predicting the Price of Bitcoin Using Machine Learning and Social Sentiment

Oct 2023 – Jun 2024

- Obtained and processed large datasets from Reddit API to analyse social sentiment trends.
- Implemented VADER sentiment analysis to gauge social sentiment.
- Utilised LSTM models for time-series prediction.
- Developed the project entirely in Python.

Ascot Lodge Website Development

Nov 2024 – Apr 2025

- Designed and developed a modern one-page website for a nursing home using React.
- Implemented smooth animations and an elegant UI to enhance user experience.
- Ensured accessibility and responsiveness across various devices.

ACHIEVEMENTS

Developed multiple full-stack projects (e.g., CS2Squad) demonstrating a range of technical skills and ability to deliver real-world solutions.

Excellent time management and prioritisation abilities demonstrated through academic and personal projects.

PERSONAL ATTRIBUTES

Attributes: Strong communicator with the ability to translate technical concepts into layman's terms, Thrives on solving problems, both big and small, Highly ambitious self-starter with a drive to push both the business and personal growth to the next level