

# RONIT RAI

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## **FORMAL EXPERIENCE**

### **CODING INSTRUCTOR, Code Ninjas (FEB 23 – PRESENT)**

- Instructing Young Learners (Aged 5-15) on the basics of programming, inculcating good coding practices. Tutored 100+ students achieve a decent understanding of Game Development and have trained several students to grasp advanced concepts of development such as OOP, Physics Simulation, Testing & Debugging.
- Converting their ideas into games on languages such as Scratch, Python and C# with Unity. Helped create over 50+ fully finished games on various frameworks and languages.

### **FULL STACK WEBSITE ENGINEER, Freelance**

- Sole Designer/Developer on Upwork/Fiverr, creation of Websites, Components and Features alongside integration with third party services and API's.
- Using Custom Technologies such as the MERN/MEVN Stack to create embeddable and standalone projects for clients. Database technologies including SQL & NoSQL.
- Modifying existing projects and designs according to the requirements and providing custom solutions (plugins) for WordPress websites.

## **EDUCATION**

### **BSC INFORMATION TECHNOLOGY, Middlesex University (2022 – 2023)**

- Completed the 3rd year of my degree, graduated with Upper Second-Class Honors (3.7 GPA)
- Artificial Intelligence
- Business Intelligence
- Web Based Mobile Application Development

### **ADVANCED DIPLOMA IN SOFTWARE ENGINEERING, Aptech Education (2018 – 2021)**

- 3 Year Diploma in Software Engineering paved the way for a credit transfer to Middlesex University London.
- Website Design + Development
- Mobile Application Development (Android + iOS)
- MVC Frameworks
- Project Management

## **PROJECTS & OTHER EXPERIENCE**

- [\*\*J.P. Morgan Software Engineering Virtual Experience \(2024\)\*\*](#): Used JPMorgan Chase's open-source library called Perspective to generate a Live graph that displays a data feed in a clear and visually appealing way for traders to monitor.
- [\*\*Founder Equity Calculator \(2024\)\*\*](#): Interactive & reactive calculator designed for founders to calculate equity split based on multiple parameters. Created on Vue + Pinia, integrated on to a WordPress site as a module.
- [\*\*BarterMate\*\*](#): E-Commerce Platform designed to reduce electronic waste by promoting recycling and reuse of electronic items. Created initially on PHP Core, modified with Ionic Frameworks for all platforms.
- [\*\*Pandemic Board Game\*\*](#) (2023): Replication of the Pandemic Board Game on a command line interface, created entirely on Java.

## **LANGUAGES & TECHNOLOGIES**

- Full Stack Website Development (MERN, MEVN, LAMP, Laravel, WordPress)
- Database Development (SQL, NoSQL, Vector)
- Application Development (Android, iOS, Ionic, Flutter)
- Java, C#, Python
- Linux, Bash, Virtualisation, Git

