# Prannvat **Singh**

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## Summary

Proficient skills in several programming languages, and a strong determination to learn more, as well as adapt to new tasks and skills. I have experience in working in high-pressure environments and always maintain a healthy work environment.

## Education

**Maiden Erlegh School**                                                                                          *Reading, UK*

A LEVELS

- 3 A's in Mathematics, Computer Science and Physics & a B in Further Mathematics

**Maiden Erlegh School**                                                                                          *Reading, UK*

GCSEs

- 3 grade 9s, 4 grade 8's, 2 grade 7's, 1 grade 6

## Work Experience

**FoodCLUB**                                                                                                      *London, UK*

iOS DEVELOPER                                                                                        *Sep. 2023 - PRESENT*

- Integral part of the iOS development team for the FoodCLUB app.
- Using **Swift** and **SwiftUI** as well as **Javascript** to develop the revolutionary app for the future of the food tech industry.
- Working with complex libraries such as **AVFoundation**, to create intricate features.
- Work in a team of approximately 40 people and using **GitHub** and industry level work methodologies and architectures like **MVVM**.

**Polkadot & Astar & Easy A**                                                                                    *London, UK*

SOFTWARE ENGINEER & PRODUCT FOUNDER                                                                        *June. 2023*

- Founded product that would regulate **AI** training data and ensure legitimacy of AI using **Polkadot** & **Astar blockchain** technology.
- Used **Rust** to implement smart contract on blockchain.
- Placed top 10 in international Hackathon.
- Organiser & Co-director of participating team.

**Immutable X & Easy A**                                                                                         *London, UK*

GAME DEVELOPER & PRODUCT DESIGNER                                                                           *Feb. 2023*

- Lead software developer in team of 5.
- Developed a working web3 train simulator game using **C#** on **Unity** using **Blender** to simulate a map of London.
- Used **XCode** to build an **AR** app which would show minted NFT'S from the game.
- Deployed smart contract on Immutable X NFT gallery using **Typescript**.
- Lead presenter of product at international Hackathon.
- Organiser & Co-director of participating team.

**Maiden Erlegh School**                                                                                         *Reading, UK*

PRESENTER FOR <COMPUTER SCIENCE A LEVELS>                                                                   *Dec. 2022*

- Introduced the subject of computer science to secondary school students. Talked about the various fields in computer science and my experiences.
- Introduced my **machine learning** project that predicts the perfomances of Premier League footballers every week. Showed the different libraries, and ideas I used to implement my **neural network** and software using **Python**.
- Taught the basics of **data science** as well as showing students my work on data handling using **SQL** and **Python Pandas**.

**Tezos**                                                                                                            *Remote*

FOUNDER OF TEZTOURNAMENTS                                                                                   *Dec. 2022*

- Explained and designed a digital escrow system using the Tezos blockchain.
- Talked about designing and implementing such product in real life with a proof of concept and discussed the potential of the idea.
- Wrote the whitepaper, as well as code, in order to explicitly explain the product.
- `https://github.com/subeenregmi/tez-tournaments`

**Tezos & Easy A.**                                                                                              *London, UK*

SOFTWARE DEVELOPER & PRODUCT DESIGNER                                                                       *Nov. 2022*

- Implemented **web3** smart contract using **SmartPy** and **Python**.
- Designed and developed a beta for a decentralised social media platform, based on the Tezos **blockchain**.
- Led team of 5 in creating and presenting this product and winning *first* place in international Hackathon.
- Organiser & Co-director of participating team.

**JP Morgan Chase & Co.**                                                                 *Reading, UK*

Data Analyst                                                                               *Sep. 2022 - Oct. 2022*

- Data Visualisation & Software development virtual experience.
- Ran tasks in order to analyse stocks of JP Morgan Chase & Co. using **JavaScript** and **Python**.

# Projects

### Prannvat's Portfolio                                                                  *Github*

Creator                                                                                    *Jan. 2024*

- Developed a functional, responsive website to share my portfolio, to allow me to connect, and network with people in the industry.
- Demonstrated understanding of **HTML**, **CSS** and **JavaScript** and showing my **full-stack** development skills.
- `https://prannvat.github.io/Prannvat-Portfolio/`

### Nirmolak Heera                                                                        *Github*

Co-Creator                                                                                 *Dec. 2023*

- Developing a **SwiftUI** app to enable Sikh's to access, use and read their holy scripture the Guru Granth Sahib in a revolutionary way, allowing for easy, user-friendly use.
- Using **SwiftUI** as well as **UIKit** in parts of the app and having the **Combine** framework in use for the MVVM articheture.
- Using **SQL** to manipulate, use, and access large amounts of data.

### FPL Points Predictor                                                                  *Github*

Creator                                                                                    *May. 2023*

- Created and explained machine learning **Python** project, applicable for real-life use.
- Showed and explained **AGILE methodologies** used in the making of the project
- Demonstrated data science skills and managed massive amounts of data using **API's**, **SQL** and **Pandas**
- `https://github.com/prannvat/fpl-points-predictor/blob/main/FPL_Points_Predictor_Paper.pdf`
- `https://www.youtube.com/watch?v=7ty3eTo4Quc&t=4s`

### THURSDAY - AI Chatbot                                                                 *Github*

Creator                                                                                    *Sep. 2023*

- Developing an AI chatbot that uses speech recognition.
- Used **Python** skills as well as Natural Language Processing knowledge to develop chatbot.
- `https://github.com/prannvat/AI-Chatbot`

# Extracurricular Skills

### Coding Society                                                                        *Reading, UK*

Organiser & Mentor                                                                         *Dec. 2021 - Jul. 2022*

- Taught aspiring software developers the basics of Python, logical thinking and hardware.
- Introduced concepts of **Object Oriented Programming** to beginners.

### First Days                                                                            *Reading, UK*

Charity Work                                                                               *Apr. 2022*

- Ran a 5K and raised money for a children's charity

### Software Developing

Programming

- Python, C#, Visual Basic, JavaScript, Rust, HTML, SQL, Swift.
- `https://www.udemy.com/course/rust-programming-master-class-from-beginner-to-expert/`
- `https://www.udemy.com/course/swiftui-masterclass-course-ios-development-with-swift/`

### Multi-Lingual

Fluent in several languages

- English, Punjabi, Hindi, Urdu

# Awards

International

|      |                                                             |              |
|------|-------------------------------------------------------------|--------------|
| 2023 | **Finalist**, Easy A & Immutable X International Hackathon   | *London, UK* |
| 2023 | **Finalist**, Easy A & Polkadot & Astar International Hackathon | *London, UK* |
| 2022 | **Winner**, Easy A & Tezos International Hackathon           | *London, UK* |