

Kishan Prajapati

7 Bletchley Court • London, HA7 1FP • kishan1292001@gmail.com • +44 74425 49823

LinkedIn: www.linkedin.com/in/kishan-prajapati2100

GitHub: [http://github.com/KISHAN2100](https://github.com/KISHAN2100)

Recent Computer Science graduate with hands-on experience in mobile application development, programming, database management, and network simulation. Adept at solving complex problems and learning new technologies quickly. Skilled in Java, Python, Android Studio, and MySQL, with a passion for developing innovative software solutions. I am looking for an opportunity to contribute technical expertise and grow professionally in the IT industry.

IT Projects

Real-Time E-Commerce Android Application

Technologies: Android Studio, Firebase, Java, XML

- Developed a fully functional e-commerce app with user authentication, real-time database integration, and product management.
- Integrated **Firebase** for user login and registration, and used Firebase Realtime Database for storing and retrieving product information
- Designed an intuitive user interface with **XML** and **Java**, implementing key features such as product search, cart management, and order placement

Self-Checkout System (Clone of TESCO)

Technologies: Java, Visual Studio

- Developed a self-checkout system mimicking the TESCO self-checkout interface using **Java**.
- Implemented real-time item scanning, total price calculation, and a payment system simulation.
- Focused on enhancing user experience through Java-based application logic and interface design.

Network Simulation

Technologies: Cisco Packet tracer

- Designed and simulated a network connecting multiple countries, enabling packet transmission between remote locations.
- Configured routers, switches, and firewalls for secure data transfer across different regions.
- Gained hands-on experience in network management, troubleshooting, and packet flow analysis.

Database-Driven Inventory Management System

Technologies: MySQL, Java

- Created a desktop application for inventory management using **Java** for the front end and **MySQL** for the backend database.
- Implemented **CRUD operation** for managing product stock, with advanced search and filtering capabilities.
- Enhanced system performance by optimizing SQL queries and improving data retrieval efficiency.

UniScan – Mobile Application for University Students

Technologies: React Native, Firebase, Google Vision API, OpenAI API, Translation API, TypeScript, HTML, CSS

- Developed a mobile application named UniScan, designed for university students to scan handwritten notes, typed documents, and upload PDFs to extract text.
- Integrated **Google Vision API** for accurate text extraction from photos and PDFs, enabling users to quickly capture and digitize documents.
- Incorporated **OpenAI** to summarize a long document, providing concise and relevant information for better study efficiency.

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- Enabled **Google Translate API** for multi-language translation, allowing students to translate documents into their native language for a better understanding of the content.
- Utilized **Firebase** as the backend to store user data and documents, ensuring fast access and real-time synchronization.
- Developed the app using **React Native, TypeScript, HTML, and CSS**, ensuring cross-platform compatibility and a smooth user interface.

Technical Skills

Programming Languages:

- C, C++
- Java
- Python
- JavaScript
- TypeScript
- HTML
- CSS

Tools & Technologies:

- Version Control (Git, GitHub)
- IDEs: Android Studio, Visual Studio, RStudio, React-Native
- Cloud Computing (Firebase Cloud Storage)
- API Integration
- Cisco Packer Tracer

Software Development Practices:

- Agile Development
- Object-Oriented Programming (OOP)
- Software Development Lifecycle (SDLC)

Education

University of West London – London, England

BSc Computer Science (Hons) | Graduated: 2025

Ryan International School – Surat, India

Higher Secondary (Science) | Graduated: 2019