

Pranav Subash

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EDUCATION

King's College London

Bachelor of Science, Computer Science (BSc Hons), On track for a First Class

London, UK

Jun 2026

Global Public School

A Levels: Computer Science (A), Mathematics(A*), Physics(A*), Chemistry(A*)*

Kochi, India

Apr 2022

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, Scala, HTML, CSS, JavaScript, SQL, Assembly, Arduino

Frameworks & Libraries: Django, React, Firebase, SwiftUI, JavaFX, Node.js, Bootstrap, Tailwind CSS

EXPERIENCE

KCL TECH

Nov 2024

Java Co-lead

London, UK

- Led organization of 3 hackathons with 150+ participants and co-designed Java curriculum, mentoring 40+ students through weekly hands-on programming sessions with 85% retention rate

iBus Networks

Jun 2023

Frontend Developer Intern

Bangalore, India

- Developed responsive frontend features for iBus Networks' website using Django, reducing page load time by 30% and improving desktop user experience for 10,000+ monthly visitors

PROJECTS

LabelifyAI

Dec 2023

Tech Stack: Swift, Python, GPT-4 API, macOS SDK, Git

London, UK

- Engineered a MacOS application leveraging GPT-4 Vision API to automate intelligent file naming through image content analysis, processing 10+ file formats with 98% accuracy
- Implemented smart folder categorization system that auto-sorts files into hierarchical structures, reducing manual organization time by 80%
- Achieved 95% reduction in file management overhead in production testing with 500+ files, decreasing naming time to 1 second per file

Okapi Tutoring Platform

Nov 2024

Tech Stack: Django, Python

London, UK

- Architected a full-stack tutoring platform in Django, featuring real-time ticket-based communication system and role-based dashboards for 100+ student-tutor pairs
- Engineered automated scheduling system with conflict resolution, reducing manual booking time by 70% and increasing tutor utilization by 40%
- Implemented secure authentication and personalized dashboards, achieving 95% user satisfaction rate with zero data breaches

Cell Simulator

Mar 2024

Tech Stack: Java, JavaFX, JUnit, Git

London, UK

- Engineered a high-performance cell simulation engine in Java that processes 1000+ generations, optimizing spawn algorithms for 20% higher efficiency
- Implemented analytics system generating real-time statistical reports on mutation patterns and survival metrics for data-driven research
- Developed intuitive JavaFX interface with live visualization features, driving 30% increase in user engagement

EXTRACURRICULARS

First Place - Web Development Hackathon

Nov 2023

Tech Stack: React, Node.js, Express, MongoDB, HTML/CSS

London, UK

- Led frontend development to deliver a complex survey submission system within a 5-day timeline, exceeding project requirements
- Secured first place among 15+ teams, recognized for superior UX design and comprehensive implementation