Pranav Subash

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EDUCATION

King's College London — London, UK
Bachelor of Science, Computer Science (BSc Hons), On track for a First Class — *Jun 2026*

Global Public School — Kochi, India
A Levels: Computer Science (A*), Mathematics(A*), Physics(A*), Chemistry(A*) — *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
Data Science Skills: Matplotlib , Pandas, NumPy, Scikit-learn, TensorFlow/PyTorch, LangChain

PROJECTS

Customer Service System — Feb 2025
Tech Stack: AWS Lambda, Amazon API Gateway, Amazon Bedrock, AWS S3, Python, RESTful APIs, Git — London, UK
- Engineered serverless architecture using AWS Lambda functions that processes 300+ daily student queries with 85% reduction in response time compared to previous email-based system
- Implemented Amazon Bedrock to respond automatically to incoming tickets with 92% accuracy, reducing manual triage time by 70% and enabling automatic routing to appropriate university departments with an S3-backed storage solution
- Implemented data visualisation through analytics dashboard tracking response metrics and user satisfaction for admins

LabelifyAI — Dec 2023
Tech Stack: CustomTkinter, Python, GPT-4 API, macOS SDK, Git — *London, UK*
- Engineered a MacOS application to automate intelligent file naming,processing 10+ file formats with 98% accuracy
- Developed data pipeline that processes image content through GPT-4 Vision API, analyzing visual elements and generating descriptive filenames with 98% relevance to content
- 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

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

First Place - Tech-Ed PyTorch Coding Competition — Dec 2022
Tech Stack: Python
- Won first place in a 3-person coding relay competition, where each member had 30 minutes to develop another's code without prior context
- Advanced through a logic and math puzzle stage to qualify for the coding portion, demonstrating problem-solving under pressure
- Excelled in time-constrained collaboration and adaptive coding, outperforming competitors in efficiency and accuracy

Experience

KCL TECH Nov 2024
Java Co-lead *London, UK*
- 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

Student Council Jun 2021
Position: Environment Secretary
- Elected by 300+ peers to lead a 20-student committee, executing 5 sustainability initiatives with 90% student participation
- Secured $3,000 in corporate sponsorships from 12 local businesses to fund environmental competitions, increasing student engagement by 40% year-over-year
- Spearheaded waste reduction and green energy programs, achieving 30% decrease in plastic usage and 25% increase in renewable energy adoption school-wide

Additional

Self-Study: Currently advancing skills in LangChain framework (for LLM development) and learning about machine learning fundamentals through "Hands on Machine Learning with Sci-Kit Learn and TensorFlow"