

Kaushal Sambhe

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EDUCATION

Dublin City University

Bachelor of Science in Computer Science

Ireland, Dublin

Sep. 2022 – May 2026

- **Courses:** Data Structures & Algorithms, Operating Systems, Databases, Full Stack Development, Java OOP

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript, HTML/CSS, R

Frameworks: React, Node.js, Django, Bootstrap, WordPress, Tailwind CSS

Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, UML

Libraries: NumPy

EXPERIENCE

Kumon Work Assistant

Hansfield Secondary School

Jun 2024 – August 2024

Dublin 15

- Accurately corrected and assessed student worksheets, ensuring detailed feedback and tracking academic progress.
- Collaborated with a team of 5 members to organize and manage over 1,000 worksheets monthly, ensuring efficient workflow and accurate maintenance of student records for 300 students.
- Provided individualized instruction and support to secondary school students in Mathematics and English, facilitating understanding of complex concepts and fostering academic improvement.

Leaving Cert Physics Tutor

Blanchardstown

Dec 2023 – Mar 2023

Dublin 15

- Delivered comprehensive tutoring in Physics to Leaving Cert students, tailoring sessions to individual learning styles and curriculum requirements.
- Developed and implemented personalized study plans, improving students' understanding of complex physics concepts and exam techniques, leading to a 15% average increase in exam scores.
- Monitored and assessed student progress, providing constructive feedback and adapting teaching methods to maximize academic performance and exam readiness.

PROJECTS

AI-Powered Resume Analyzer | *Python, ReactJS, Django, spaCy*

June 2024 – July 2024

- Engineered a full-stack web application using Django for the backend and React for the frontend, enabling users to upload resumes and receive comprehensive feedback on keyword usage, formatting, and content optimization.
- Implemented advanced Natural Language Processing (NLP) techniques with spaCy, including TF-IDF (Term Frequency-Inverse Document Frequency), to analyze resumes, extract relevant keywords, and provide targeted recommendations to improve alignment with job descriptions.
- Optimized the user experience by integrating NLP-driven analysis and a user-friendly interface, resulting in actionable insights for resume enhancement.

Custom Shell | *C, Makefile, Git, Gitlab*

Feb 2024 – March 2024

- Designed and implemented a simple command line shell in C, incorporating internal commands, batch mode processing, and I/O redirection.
- Ensured the shell's functionality included background execution and environment management, providing a robust user interface for Unix systems.
- Created a comprehensive user manual, detailing usage instructions and system concepts, supported by references to peer-reviewed sources.