

# CHRIS BIJU

## COMPUTER SCIENCE STUDENT

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### SKILLS

**Programming:** C, Java, Python, SQL, R, Scheme, libGDX

**Platforms:** Windows, GitHub, Amazon Bedrock

**Technical/Programmatic:** Data Structures and Algorithms, Office 365, Google Workspace, Trello

### EDUCATION

#### University College Dublin

Dublin, Ireland

Bachelor of Computer Science (DN201)

Expected graduation, May 2027

- Stage 1 Overall **GPA: 3.78/4.2**
- Stage 2 Overall **GPA: 3.85/4.2**
- Minored in Statistics
- **Related Coursework:** Data Structures & Algorithms, Databases, Artificial Intelligence, Object-Oriented Programming, Statistics, Operating Systems, Computer Architecture & Programming, Discrete Mathematics, Computer Networking

#### Salesian College Celbridge

Celbridge, Ireland

Leaving Certificate

Aug. 2017 - Jun. 2023

- Awarded a Certificate of Excellence for attaining the **highest result in Ireland** for the 2023 Leaving Certificate in Design & Communication Graphics (Higher Level).
- Achieved 567 points

### PROFESSIONAL EXPERIENCE

#### Delight Foods Ethnic LTD

Dublin, Ireland

Management

Aug. 2023 - Ongoing

- Resolved software and hardware issues for the company, ensuring a seamless work environment for all employees.
- Effectively managed accounts using Sage 50 software, including invoicing, processing credit notes, and maintaining an up-to-date database.
- Manage the company's social media platform, ultimately improving the company's online presence with a growth of 172 followers in less than 2 weeks.
- Developed creative designs and edited videos for company advertisements, including posters and promotional materials showcased at events.
- Represented the company at global food exhibitions, fostering international partnerships and improving my industry knowledge

#### Dublin Tech Summit

Dublin, Ireland

Volunteer

May. 2024 - Jun. 2024

- Gained hands-on experience with Virtual Reality Ireland, assisting with VR equipment setup and guiding users. Engaged with companies including EY, Jaguar Land Rover(JLR), Flow, and Canva to enhance my communication skills and too gain knowledge of the companies.

### PROJECTS

#### StudentAi | Python, Cohere API

- Developed a Python-based AI platform (StudentAi) using Cohere API that allows users to search for any topic and receive advanced text-generated responses via sophisticated language models.
- Allows a quiz module to generate MCQs based on the user's requests.
- In the process of implementing a web-based interface for better visibility

#### Departments Vacancies Database | MySQL

- Designed and implemented a MySQL database to model a company's vacant positions across multiple departments.
- Gained hands-on experience with developing 18 stored procedures, ER diagramming, data modeling, SQL query optimization, and transactional logic.

#### Hexoust Game | Java, libGDX, Team Project

- Replicated an existing two-player game on a base-7 hexagonal board using Java and libGDX.
- Implemented an MVC software architectural Design and kept it throughout the entire code.
- Created custom sprites to add our creative value, as well as music, and allowing the user interface to be smooth and pleasing.

#### Gantt Chart Generator | C Programming

- Developed a command-line tool with a text-based interface to generate Gantt charts.
- Implemented a circular dependency checker to detect conflicts between tasks.

**Kanban Board Tool | C Programming, File Management**

- Built a command-line tool for managing tasks and sub-items in a Kanban-style board.
- Utilized linked lists to optimize memory usage.

**Heart Health | C Programming, Error Handling**

- Calculated BMI, Blood Pressure, and Cardiac Risk assessments using real-world data
- Focused on error-handling functions to manage various types of user input errors.
- Implemented early exit conditions based on user results to improve code efficiency.

**Multi-threading Practical | Java, Unit Testing, Object-Oriented Programming, Team Project**

- Developed a comprehensive multi-threading tutorial featuring hands-on exercises to guide learners in applying their knowledge.
- Implemented extensive unit tests to cover edge cases and assist students.

**AI Unit Testing | Java, Junit 5**

- Developed test cases to evaluate AI-generated Java code for correctness, reliability, and edge cases.
- Conducted a qualitative review of the code identifying the good/poor practices of AI-written code.

**CERTIFICATES**

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**AWS Certified AI Practitioner**

- Foundational certification in AI/ML and Generative AI concepts, strategies, and AWS applications.
- Skills: AI/ML concepts, Generative AI, Foundation Models, Applied AI use cases
- [https://www.credly.com/badges/39bc8f43-a1f5-4ca4-885d-c93139dc4155/public\\_url](https://www.credly.com/badges/39bc8f43-a1f5-4ca4-885d-c93139dc4155/public_url)