

Marvin Daja

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EDUCATION

- University of Birmingham** | *MSci Computer Science - 3rd Year* September 2022 - June 2026
- Currently studying: Intelligent Data Analysis, Algorithms & Complexity, Dependable & Distributed Systems, Neural Computation, Natural Language Processing and Machine Learning.
 - Second Year (Achieved): 67.8%** including **Team Project (82%)** and Artificial Intelligence (85%)
- Cadbury Sixth Form College** | *A-levels (Achieved)* September 2020 – July 2022
- Mathematics (A), Further Mathematics (A), Physics (A), Computer Science (B), EPQ (A).
- Wheeler Lane Technology College** | *GCSEs (Achieved)* September 2015 - July 2020
- 9 GCSEs, grades 9-6.

EXPERIENCE

- Goldman Sachs Spring Insight** **Birmingham, United Kingdom, April 2023**
- Participated in a programme focused on the role of technology in financial services, gaining insights into the role of software and technology in global finance.
 - Shadowed experienced Goldman Sachs engineers, gaining exposure to the development and maintenance of critical financial systems and scalable infrastructure solutions.
 - Collaborated in a small team to solve a variety of technical problems, strengthening teamwork and analytical skills in a dynamic environment.

PROJECTS

- RecipeRadar | Personal Project** **ReactJS | Spring Boot | PostgreSQL**
- Developed a full-stack recipe sharing web-app allowing users to search, post and manage recipes.
 - Built a REST API using Spring Boot, implementing **asynchronous** API calls that reduced load times by **25%**, resulting in smoother user interactions and improved platform performance.
 - Optimised homepage performance, **reducing load times by 30%** through the use of **paginated** data fetching and efficient database querying.
 - Designed and implemented a **fully responsive** user interface featuring recipe cards, search functionality and personalised user profiles, enhancing user engagement and retention.
 - Created secure login and registration, using **JWT-based authentication**, improving data security.
- CineWatch | Personal Project** **ReactJS | Flask**
- Developed a movie recommendation web-app that provides suggestions based on selected movie.
 - Integrated the TMDB API to fetch real-time movie data, including posters, descriptions, and ratings.
 - Designed and implemented a **fully-responsive** user interface providing users with an intuitive interface to browse and search for movie recommendations.
 - Built a Flask backend to handle recommendation logic and API requests securely and efficiently.
- RideShare | Team Project** **Angular | Spring Boot | PostgreSQL**
- Developed a full-stack ride sharing web-app allowing university students to post, manage and search ridesharing journeys based on routes and schedules.
 - Designed a cost-sharing system to split fuel costs, without additional fees, **reducing transportation costs** for riders up to **50%** on average compared to other methods of transportation.
 - Real-time Messaging:** Implemented a full-stack feature for **real-time** communication between drivers and riders, improving coordination and user experience.
 - Containerised with **Docker** and **GitLab CI/CD** pipelines for automated testing and deployment.

TECHNICAL SKILLS

Languages: Python, Java, SQL, HTML5, CSS, JavaScript, TypeScript, Haskell, C

Developer Tools: Git, Postman, Docker

Libraries / Frameworks: ReactJS, Angular, Spring Boot, PostgreSQL, Flask, JWT