

Navid Khashaey

Northampton

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PROFILE

A highly motivated and adaptable First Class Computer Science graduate from Birmingham City University with a STEM discipline background and strong foundations in object-oriented programming, algorithms and user interface development. Experienced in developing and testing applications that combine frontend UIs, algorithm design and backend integration with core OOP expertise in Java and Python and currently extending these skills into C# development. I am motivated to contribute to impactful projects within a collaborative Agile development team by applying my technical knowledge to solve real world challenges whilst further strengthening my skills in full stack development, SQL Server, cloud technologies and modern frameworks.

TECHNICAL SKILLS

- Object Oriented Programming - Strong foundation in OOP principles through Java and Python, with ongoing development of my skills in C#.
- Algorithms and Data Structures – Proficient in implementing algorithms for efficient problem solving and system performance.
- Database Management – Utilised SQL and phpMyAdmin for data storage and retrieval.
- Version Control – Proficient with Git/Github for source code management and collaboration.
- Software Testing - Competent with PyTest and JUnit for unit testing.
- UI Development – Built user interfaces for mobile apps using Flutter/Dart and web applications using HTML, CSS and PHP.
- Cloud & DevOps– Achieved 82% in a Cloud Computing module using AWS; currently learning Google Cloud fundamentals, with basic knowledge of DevOps and CI/CD pipelines.

PROJECTS

Final Year Project Dissertation 75%, Birmingham city University **September 2024 – June 2025**

- Developed an AI-based mobile application with Python and Dart (Flutter) for real time heart rate monitoring, using ML algorithms (Random Forest and K-Means Clustering) to detect and alert users of abnormal patterns such as arrhythmias.
- Leveraging synthetic data and open datasets to simulate real world heart rate conditions.

Food and Nutrition Tracker 81%, Birmingham City University **March 2025 – May 2025**

- Designed and developed an Android application in Java to support healthier dietary choices through nutrition tracking, recipe suggestions and personalised health goals.
- Implemented UI components, database integration with Firebase Firestore and API Retrofit with TheMealDB to deliver a user friendly and accessible mobile system.

Connect Four Project 74%, Birmingham City University **November 2023 – May 2023**

- Designed and developed an AI-driven Connect Four game using Python declarative programming to optimise game logic and enhance decision making, implementing strategies that enable the system to predict and counter user moves for a competitive, engaging experience.
- Gained experience using Python and problem-solving for real-time applications in gaming.

EDUCATION

BSc Computer Science, Birmingham City University

Sept 2022 – June 2025

1st Class – Modules Include:

- Software Design (90%) - Designed and implemented structured software systems in team based Agile projects using UML and requirements modelling.
- Object-Oriented Programming (70%) – Developed a Library Management System in Java, applied core OOP principles using initial skeleton code and enhanced my proficiency in inheritance, encapsulation and polymorphism.
- Data Structures and Algorithms (77%) – Applied a range of data structures and algorithms to solve complex programming challenges.
- Computer Programming (76%) – Built a strong foundation in programming and problem solving.

A-Levels, Northampton International Academy

Sept 2020 – July 2022

- Computer Science, Psychology, Sociology

GCSEs, Northampton Academy

Sept 2015 – July 2020

7x GCSEs (Grade 4-6) Including:

- English (6) Math's (5) Computer Science (6)

WORK EXPERIENCE

Peer Navigator, Birmingham City University

September 2024 – May 2025

- Providing peer support and guidance by using my individual experiences to assist students in navigating academic and social systems effectively.
- Enhancing teamwork abilities by collaborating with fellow navigators and university staff by applying problem solving and active listening to address student concerns and facilitating solutions.

Sales Assistant, Primark

June 2023 – Present

- Exceptional communication and customer service skills by processing orders both in-store and online.
- Maintained high safety standards in the workplace while collaborating closely with customers to ensure accurate transactions and customer satisfaction.

Team Member, Papa John's

November 2022-July 2023

- Consistently upheld a clean and organized workspace to foster productivity.
- Strengthened my ability to work under pressure while efficiently managing multiple tasks simultaneously.

Springpod virtual work experience

October 2021- November 2021

- Gained a further understanding about the possible career paths to take and took part in numerous group discussions and quizzes.
- Building my knowledge and confidence through both individual and collaborative activities and exposure to diverse professional fields.

References

References available on request