Manjeev Takhar

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EDUCATION

University of Birmingham — Birmingham, UK
BSc Computer Science — *2023 – 2026 (2027 inc. Placement Year)*
- Relevant modules: Full-Stack Application Development, Artificial Intelligence, Object-Oriented Programming, Software Engineering, Operating Systems

EXPERIENCE

IT Support Experience — June 2022
Superfast IT — *Stourbridge, UK*
- Gained practical hands-on experience in IT support, technology support and cybersecurity
- Utilized computational skills in IT management, system monitoring, and data recovery
- Contributed to customer support tasks, leveraging technical skills for cybersecurity
- Enhanced communication skills while working effectively in a team environment

Customer Advisor — Sept 2022 – Present
Boots — *Birmingham, UK*
- Provided exceptional customer service and product knowledge to enhance customer satisfaction
- Managed retail operations and collaborated with the team to achieve sales targets
- Utilized technology to improve customer experiences and provide tech support

PROJECTS

Records Database Application | *Java, JavaFX, JDBC*
- Developed a Full Stack Records Database Application in Java, enabling seamless access to a music records database through integrated client and server components, while leveraging CachedRowSet to optimize memory usage during large dataset processing
- Implemented a multi-threaded server with Java Sockets for simultaneous client connections and efficient query handling
- Utilized JDBC for real-time data retrieval and manipulation, incorporating robust error handling for network and database issues
- Designed a user-friendly JavaFX client interface for easy input of search parameters and dynamic result display

Quickfire Arithmetic Game | *C# .NET, Windows Forms*
- Developed an innovative arithmetic game using C# that challenges players to solve a series of math problems within a 30-second timeframe, which can be used to help students cognitive thinking under pressure
- Used C# .NET and Forms to implement dynamic themes, customizable difficulty levels, and a variety of operation selections, showcasing expertise in UI/UX design and creating an engaging user experience

Code Submission Processing System | *React.js, Express.js, Node.js*
- Developed the frontend interface of an automated code grading system using React.js, helping teachers evaluate programming assignments more efficiently in a team environment
- Created reusable React components for managing assignments, viewing submissions, and configuring container resources, with a focus on UX design and intuitive navigation
- Implemented testing using Jest to verify component functionality, whilst slightly assisting with developing Express.js API endpoints to connect with the React frontend with MySQL database for assignment data management

TECHNICAL SKILLS

Programming Languages: JavaScript, ReactJS, Python, Java, HTML, CSS, C#, PostgreSQL, C
Development Tools: Git, Docker, Shell/CLI, VS Code, IntelliJ
Frameworks & Libraries: React.js, Node.js, Express.js, JavaFX, JDBC, .NET, Jest
Technical Background: General computing fundamentals, Building and upgrading computers, Installing and configuring operating systems, Network management, Hardware and software troubleshooting, Cybersecurity principles

OTHER INTERESTS

Media Creation: Highly skilled in video and image editing, with extensive experience using Vegas Pro and Adobe Photoshop
Content Creation: Manage a technology-focused YouTube channel, collaborating with tech companies to create high-quality reviews and educational content
Technical Communication: Experience in presenting complex technical concepts through video content and written documentation