

# JUNAID AKHTAR

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## Profile

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I am a motivated computer science graduate with a first-class degree, driven by a deep passion for web development and a solid command of software engineering and programming principles. Throughout my academic journey, I immersed myself in various facets of computer science, including internet computing, data structures, and database management systems. These experiences honed my analytical and problem-solving abilities.

My proficiency extends across multiple platforms and programming languages. I am skilled in HTML, CSS, Bootstrap, JavaScript, TypeScript, and React.js for front-end development, as well as C# .NET, Java, Python and SQL for back-end development. This diverse skill set enables me to adapt swiftly to various development environments and collaborate effectively with cross-functional teams. My goal is to leverage this knowledge and enthusiasm to create outstanding web experiences and contribute to innovative digital solutions.

## Education

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### Aston University

BSc Computer Science

**Classification:** First Class Honours

Birmingham, UK

September 2019 – June 2023

#### Key Modules:

- Individual Project: 78%
- Java Foundations: 80%
- Internet Computing: 82.55%
- Internet Applications and Techniques: 80.78%
- Mathematics for Computing Professionals: 80.46%
- Student Representative
  - Communicated with students, collected feedback, and discussed any concerns or suggestions.
  - Raising their concerns in meetings and ensuring action is being taken.

### City of Wolverhampton College

BTEC Level 3 Extended Diploma in IT

**Grade:** D\*D\*D

Wolverhampton, UK

September 2017 – June 2019

## Work Experience

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### Aston University

Research Associate

Birmingham, UK

May 2023 – Present

- Led the creation of a multimodal dataset of human attention lapse for enhancing safety in Human-Robot Collaboration.
- Developed a one-click software application to synchronize multiple sensor modalities of an eye tracker (Pupil Core), visible cameras, depth cameras, and microphones (Azure Kinect DK) using Python.
- Organised data collection campaign with 30 human participants in Aston's Robotic Lab and GBSIoT Cyber Factory with major contributions to experiment design, risk management, and ethics approval.

## Sitel

Technical Support Specialist

Exeter, UK

July 2021 – August 2022

- Demonstrated amazing problem-solving skills by providing beneficial professional technical support to colleagues and clients on any hardware and/or software-related issues.
- Troubleshooted devices, updated systems, and provided excellent customer service, ensuring great client satisfaction.
- Completed detailed reports, developed extensive technical guides, and performed other duties as assigned by managers.

## London Institute

Web Developer Internship

Braga, Portugal

February 2019 – March 2019

- Orchestrated the planning, implementation, and optimization of a website and database in close collaboration with the software development team.
- Contributed significantly to the creation of an intuitive user interface, skillfully balancing aesthetics with functionality.
- Cultivated a comprehensive skill set encompassing HTML, CSS, Bootstrap, and JavaScript, while also architecting a MySQL database for seamless test data population.

## Projects

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### Rooster Run ([Website link](#))

- Collaborated in a university team project to develop an online multiplayer game using Java, LibGDX, and Kryonet, demonstrating proficiency in both front-end and back-end development.
- Played a key role in the game's conceptualization, design, and implementation, contributing to the website's creation as well.
- Designed an engaging and user-friendly interface, leveraging Bootstrap and JavaScript to enhance the user's experience.

### Face Mask Detection System ([GitHub link](#))

- University individual project creating a Face Mask Detection System using Python, OpenCV and TensorFlow.
- Employed deep learning techniques to accurately identify individuals with or without face masks.
- Integrated and deployed the detection system onto a Raspberry Pi and Cloud for real-time evaluation.
- Achieved high accuracy in various lighting and environmental conditions through extensive testing.

## Skills

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**Languages:** HTML, CSS, JavaScript, TypeScript, C#, Java, Python, SQL, PHP

**Technologies:** React.js, Node.js, MongoDB, Bootstrap, C# .NET, ASP.NET, JavaFX, LWJGL, LibGDX, Kryonet, OpenCV, NumPy, Matplotlib, Pandas, Git, GitHub, Laravel, phpMyAdmin, MySQL, GCP, Docker, Microsoft Office.

**Certifications:** European Computer Driving License (2015), Python for Data Visualization (2022), Advanced Pandas (2022), NVIDIA Getting started with AI on Jetson Nano (2023).

## Interests

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• Sports • Gaming • Fitness • Reading • Board Games • Martial Arts • Travelling