

MUBASHIR ZAMIR

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EDUCATION

Northumbria University, MSc. Advanced Computer Science

September 2024 – Present

- **Courses:** Big Data & Cloud Computing, Machine Learning, Wireless Networking & Security
- **Programme Rep:** Responsible for collaborating with staff and students to enhance the academic experience.

Institute of Business Administration (IBA), BSc. Computer Science (CGPA 3.79/4.00)

August 2018 - May 2022

- **Courses:** OOP, Data Structures, Algorithms, Databases, Operating Systems, Artificial Intelligence, Business Intelligence
- **Dean's List (2018-2022):** Recognized for academic excellence, maintaining a CGPA of 3.5+ throughout the program.
- **Final Year Project Lead:** Led a team of 3 in developing an app, conducting research, and following the agile lifecycle.

PROFESSIONAL EXPERIENCE

GoodCore Software Limited, Software Engineer

June 2022 – September 2024

- Worked across the full-stack of technologies – Laravel, React.js and PostgreSQL.
- Led the upgrade from PHP 7.4 to PHP 8.2 and from Laravel 8 to Laravel 10 for their flagship project – BriefingSource.
- Successfully integrated the product with Google services, including Google Calendar, Drive and Sheets.
- Facilitated the onboarding process for new developers during their probation period ensuring smooth integration.
- Seamlessly onboarded 3 out of 3 developers who completed their probation and became permanent members.
- Implemented solutions for the briefing workflow for different clients, i.e., Cisco, IBM, Meta, Nvidia, Zoom, etc.
- Designed APIs and CRON jobs to help keep client data GDPR compliant, reducing compliance related incidents by 50%.
- Made use of queues to handle the bulk mailing feature to improve efficiency by processing 1000+ emails per day.
- Assisted in setting up the CI/CD pipeline on Bitbucket reducing deployment times by 30%.

Institute of Business Administration, Teaching Assistant – Operating Systems

September 2021 – December 2021

- Conducted engaging tutorials to reinforce key operating system concepts and enhance student understanding.
- Provided one-on-one assistance to students on assignments and projects, fostering a supportive learning environment.
- Assisted in the grading of assignments and projects, ensuring timely and constructive feedback for students.

Habib Bank Limited (HBL), Software Engineering Intern

July 2021 – September 2021

- Designed an intuitive Android UI/UX for the Asset Evaluation System (AES), enhancing usability for the valuation team.

Supersoft, Data Science Intern

March 2021 – May 2021

- Created impactful data visualisations for client datasets using Python and KNIME, driving informed decision-making.
- Utilized business intelligence techniques to perform ETL processes, ensuring data accuracy and integrity.
- Developed insightful dashboards using Power BI, providing stakeholders with critical insights.

The Citizens Foundation, Math Instructor

September 2020 – December 2020

- Conducted weekly math classes for students preparing for university entrance exams.
- Managed the class group, ensuring effective communication and support for all students.

PROJECTS

Word Matrix (<https://word-matrix.vercel.app>): A wordle inspired daily game where players try to create the longest word.

Venue Portal: Built a web application for finding event venues in Pakistan attracting 50+ vendors.

Remote Shell: C++ Program that executed commands on a server from another user across a network.

Fantasy Cricket World Cup 2022 League: Designed a web application to track predictions and points for friends.

SKILLS

- Languages: PHP, JavaScript, Java, Python, C++
- Technologies & Tools: Laravel, React.js, Node.js, PostgreSQL, MySQL, Power BI, KNIME, Jupyter Notebook