

Mubashir Zamir

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EDUCATION

Northumbria University, MSc. Advanced Computer Science

September 2024 – Present

- **Courses:** Advanced Programming, Big Data & Cloud Computing, Machine Learning, Wireless Networking & Security
- **Programme Rep:** 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 (frontend + backend) – PHP, Laravel, JavaScript, React.js and PostgreSQL.
- Key contributor in the software development lifecycle, including analysis, development, testing, and deployment.
- Actively participated in incident resolution, problem management, and change management to ensure system stability.
- Crafted technical documentation e.g. API docs, user guides, developer guides to support system processes.
- Mentored and onboarded new members, ensuring seamless onboarding (3 out of 3 developers successfully integrated).
- Collaborated with stakeholders and multi-disciplinary teams to align technical solutions with business objectives.
- Implemented system rationalization and business change for briefing systems across clients like Cisco, IBM and Meta.
- Led the upgrade from PHP 7.4 to PHP 8.2 and from Laravel 8 to Laravel 10 for their flagship project – BriefingSource.
- Integrated Google services like Calendar, Drive, and Sheets to enhance functionality and improve user workflows.
- Designed APIs and CRON jobs to maintain GDPR compliance, 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%.
- Conducted a tech-talk on ChatGPT, discussing the nifty use cases, advantages, disadvantages and ethical concerns.

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

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

Supersoft Corporation, 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 (BI) techniques to perform ETL processes, ensuring data accuracy and integrity.
- Developed insightful dashboards using Power BI, providing stakeholders with critical insights.

PROJECTS

- **Word Matrix** (<https://word-matrix.vercel.app>): A wordle inspired daily game built with Typescript and Next.js.
- **Sweethome:** Designed an Oracle database using relational and object relational features for an online real-estate platform.
- **Remote Shell:** C++ Program that executed commands on a server from another user across a network.
- **Smart Cities:** Dockerized Spring Boot microservices-based application responsible for electricity management.
- **Venue Portal:** A MySQL, Express, Node.js and React.js based application for finding event venues.

SKILLS

- Languages: JavaScript, PHP, Java, Python, C++, SQL, HTML5, CSS3
- Technologies: Git, Gitlab, Docker, Laravel, Spring, Spring Boot, React.js, Node.js, PostgreSQL, MySQL, Oracle RDBMS
- Other: SDLC, Agile (Scrum), Version Control, CI/CD, Code Reviews, Peer Programming, Security & Compliance