Muhammad Awais Khan

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[LinkedIn](#) | [GitHub](#) | [Google for Developers](#) | [linktree](#)

PROFILE

Google Global Solution Challenge 2024 Top 100 Finalist and part of the award-winning AgriTech team, with a strong focus on web development, AI integration, and innovative technology solutions. A Bachelor of Computer Science graduate from COMSATS University Islamabad, Abbottabad Campus, I have developed expertise in MERN Stack development, Java programming, and AI. My **Final Year Project, "VR Math Quest,"** which focuses on immersive learning through VR technology, earned me an appreciation award at COMPEC NUST 2024. Additionally, my AgriTech project, which integrates AI and drones for crop disease detection, secured a top spot in global competitions, further highlighting my dedication to impactful tech solutions. Passionate about leading and mentoring, I have contributed significantly to the Google Developer Student Club, guiding peers through workshops in web and software development. I am proficient in a wide range of programming languages, including Java, JavaScript, Python, C#, and C++, enabling me to create innovative web applications and software that make a real difference.

EDUCATION

2020-2024
BS Computer Science, COMSATS University Islamabad, Abbottabad Campus, KPK, Pakistan

- **CGPA: 3.37**
- **Core Courses:** Data Structures & Algorithms, Web Development, Software Engineering, Artificial Intelligence, Machine Learning, VR Development, Database Systems, Operating Systems

PROFESSIONAL EXPERIENCE

Web Development Team Lead, COMSATS University Abbottabad
2023-2024

- Oversaw the creation and delivery of multiple websites as the team lead of the Web Development Team.
- Demonstrated strong leadership and project management skills by coordinating team efforts across various projects.
- Successfully trained 35 students in web development, enhancing their practical skills and industry readiness.
- Member of a Top 100 team in the GDSC Solution Challenge 2024, focusing on developing innovative tech solutions.

STEM Writer, EssayShark
2022-Present

- Specialized in crafting detailed, accurate technical content related to Java, C#, Python, and C/C++.
- Delivered high-quality documentation and guides that support a deep understanding of programming languages for both students and professionals.
- Created educational material to bridge the gap between complex programming concepts and practical applications.

PROJECTS

1. **E-Commerce Platform (MERN Stack) [Demo](#) – [GitHub](#)**
   - Developed a fully functional e-commerce platform using React.js, Redux, and Tailwind CSS for the frontend, and Express.js for the backend.
   - Features include product listing, detailed product information, cart management, a multi-step checkout process, user authentication using JWT, and responsive design.

2. **Netflix Clone (MERN Stack) [Demo](#) | [GitHub](#)**
   - Built a Netflix clone using the MERN (MongoDB, Express.js, React.js, Node.js) stack, with features like user authentication, movie browsing, and trailer viewing.
   - The project has received **15 forks** and **10 stars** on GitHub.
   - This project includes user authentication, a main page showcasing available content, and team information.

3. **Intra Social Chat App (React Native) [GitHub](#)**
   - Built a social chat application using React Native and Firebase, enabling users to interact via posts and chats in real-time.

4. **Agritech [Demo](#) | [GitHub](#)**
   - Developed an application to assist farmers with agricultural activities, including weather forecasting, crop management, and market analysis to optimize farming practices.
   - Recognized in the **Top 100 Global Solution Challenge** for innovative tech solutions.

5. **Installment Management System (React Native) [GitHub](#)**
   - Created a React Native app to help users manage their installments, allowing scheduling, viewing, and tracking of various payments.
   - Features include a dashboard for installment tracking, installment scheduling, and modals for detailed information.

6. **GPA and CGPA Calculator (React + TailwindCSS) [Demo](#) | [GitHub](#)**
   - Developed a web application to help students calculate their GPA and CGPA with a responsive and intuitive user interface.
   - Features include GPA and CGPA calculation, user reviews, and a responsive design for both desktop and mobile devices.

7. **Project Portfolio - React Application [Demo](#) | [GitHub](#)**
   - Developed a portfolio website showcasing various projects, built using React.js.
   - Features include project descriptions, objectives, methodologies, images, embedded demo videos, and links to the source code repositories on GitHub.
   - The site is fully responsive and features interactive elements like hover effects and image transitions.

SKILLS

KEY SKILLS

- MERN Stack: MongoDB, Express.js, React.js, Node.js
- JavaScript (ES6+), Redux, Tailwind CSS
- Python, Java, C#
- Firebase, RESTful APIs
- Web Development: HTML, CSS, JavaScript
- Problem Solving, Debugging, and Software Project Management
- VR Game Development: Unity, OpenXR
- Version Control: Git, GitHub
- Database Management: MongoDB, SQL, Firebase

SOFT SKILLS

- Leadership
- Teamwork and Adaptability
- Problem Solving and Decision Making
- Time Management and Organization
- Client Communication and Project Coordination
- Community Engagement and Mentorship

TOOLS/APIs

- Visual Studio Code, PyCharm, Android Studio
- Google Colab, Jupyter Notebook
- Firebase
- Git, GitHub, Replit
- Google Cloud Platform

PROGRAMMING LANGUAGES

- JavaScript (React.js, Node.js)
- Python, Java, C++, C#
- HTML, CSS
- SQL, MongoDB

DATABASES

- MongoDB
- MySQL
- Firebase

SYNOPSIS OF ACHIEVEMNETS

Academic Achievements

- Recipient of the PM Laptop in 2023 for maintaining a strong GPA of 3.40
- WWB Scholarship Award recipient for four consecutive years (2020-2024)
- Top Position Holder in Spring 2022 with a semester GPA of 3.70 at COMSATS University, Abbottabad Campus

Projects and Competitions Highlights

- Google Global Solution Challenge 2024 Top 100 Finalist with AgriTech
- Best Project Submission in Pakistan for the Google Global Solution Challenge 2024
- Appreciation Award for Final Year Project "VR MathQuest" at COMPEC 2024, NUST

Leadership and Community Engagements

- Web Development Lead, Google Developer Student Club (2023-2024)
- Shield of Outstanding Performance at the Google Developer Student Club (2024)
- Appreciation for Providing Web Development Training to Students at COMSATS University, Islamabad, Abbottabad Campus (2023)
- Recognition for being the Best GDSC Core Team Member (2023)

LICENSES & CERTIFICATIONS

1. **Relational Database**   Show Credential
   Issued by: freeCodeCamp
   Skills: MySQL, Git
2. **Global Top 100 Finalist - GDSC Solution Challenge 2024**   Show Credential
   Issued by: Google Developer Student Clubs
   Skills: GitHub, Node.js, Teamwork, Git, JavaScript, Web Development, React.js, MongoDB
3. **Introduction to Front End Development**   Show Credential
   Issued by: Simplilearn
   Skills: HTML5, CSS, JavaScript, Front-End Development
4. **Introduction to MERN Stack**   Show Credential
   Issued by: Simplilearn
   Skills: Node.js, Express.js, JavaScript, React.js, MongoDB, MERN Stack
5. **Git & GitHub Essentials**
   Issued by: Amigoscode
   Skills: GitHub, Git

LANGUAGES

- English, Urdu, Punjabi, Pashto