

# Syed Mashood

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Software Engineer dedicated to the principles of quality software development. I design, develop, and maintain robust and efficient software solutions.

## EDUCATION

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**The University of Lahore, Lahore**

Software Engineering (BSc) | CGPA (3.20)

2021 – (Jan 2025)

## WORK EXPERIENCE

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### Software Engineer intern – Tech for Good (Remote)

- Collaborated within a cross-functional team to develop innovative software solutions, improving healthcare and education accessibility for underserved communities by 60%.
- Applied agile methodologies, including daily stand-up meetings and sprint planning, to boost project efficiency by 40% and enhance team collaboration.
- Created user-friendly technical documentation and manuals, tailored for diverse user groups, which reduced support queries by 35%.

## ACADEMIC PROJECTS

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- Designed and developed a **Java-based Android application** for showcasing **movie information**, including titles, ratings, descriptions, release dates, and more using **IMDb API**.
- Developed **traveling Salesman Problem Solver**, a genetic algorithm-based application to solve the classic traveling salesman problem, optimizing the shortest route for a salesperson to visit a set of cities.

## PERSONAL PROJECTS

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**PolyRenderer** (<https://github.com/mashinsp/WorkingwithOpenGL>): The application uses advanced polygon rendering techniques to create a variety of shapes and graphics. Users can define the number of sides, angles, and dimensions to generate custom polygons with precision.

**DiscordClone** (<https://github.com/mashinsp/Discord-Clone>): A Full Stack Project, including features that of Discord with the tech stack (Nextjs, Tailwind css, ShadCN, Prisma, Socket-io, My SQL Planetscale)

## CERTIFICATIONS

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- Certification in Preparing for **Google Cloud Developer** from Coursera
- Certification in Preparing for **AWS Solutions Architect** from Coursera

## SKILLS & INTERESTS

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**Languages:** (Proficient) Typescript, Java, C++, C, JavaScript | (Familiar) SQL, Python.

**Framework and Libraries:** React, AWS, Google Cloud, Node.js, MongoDB, Pandas, scikit-learn, RESTful API, Tailwind CSS, Shadcn/ui, Hardhat.

**Tools:** Git, CI/CD(GitHub), NPM, Windows, Linux, Visual Studio, Android Studio, Slack.