

# AMMAR SHAHBAZ

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## OBJECTIVE

Software Engineer with over 3 years of experience in full-stack development and system architecture. Seeking admission to a Master's degree in Germany to specialize in Software Engineering. I aim to build on my industrial background to develop a strong understanding of advanced computational theories and apply them to solving real-world, high-level technical challenges in the modern German tech industry.

## EDUCATION

**Bachelor of Software Engineering**, GC University Faisalabad 2021 - 2025  
*Specialization: Software Development — CGPA: 2.95/4.00*

- **Key Modules:** Analysis of Algorithms, Software Design & Architecture, Database Systems, Operating Systems, and Distributed Systems.

**Higher Secondary School (FSc Pre-Engineering)**, Punjab College 2019 - 2021  
*Board: BISE Faisalabad* Percentage: 88.5%

**Secondary School Certificate (Matriculation)**, Ahmad Public High School 2017 - 2019  
*Science (Math, Physics, Chemistry, Computer Science)* Percentage: 85%

## SKILLS

<b>Programming</b>	JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3, C++
<b>Frontend</b>	React.js, Next.js, React Native, Tailwind CSS, Bootstrap, Redux Toolkit
<b>Backend</b>	Node.js, Express.js, RESTful APIs, WebSockets, Firebase
<b>Databases</b>	PostgreSQL, MongoDB, MySQL, Prisma, Mongoose, Sequelize
<b>Engineering</b>	System Design, Software Architecture, Design Patterns, DSA
<b>Tools</b>	Git, GitHub, Docker, Postman, Figma, Jira, Trello, Android Studio
<b>Languages</b>	English (Fluent), Urdu (Native), German (Beginner - A1)

## PROFESSIONAL EXPERIENCE

**MERN Stack Instructor (Part-time / Academic)** Jan 2025 – June 2025  
Voltic Inc. *Faisalabad, PK*

- **Curriculum Delivery:** Conducted comprehensive lectures on Full-Stack Engineering, focusing on MERN architecture, state management, and API design.
- **Academic Mentorship:** Mentored 15+ students through the SDLC, overseeing 10+ real-world applications from conception to deployment.

**Full Stack Developer (Working Student / Part-time)** July 2023 – Jan 2025  
Codevpk *Faisalabad, PK*

- **System Architecture:** Developed scalable mobile applications using React Native and high-performance web interfaces with React.js.
- **Backend Engineering:** Architected RESTful APIs using Node.js, implementing secure authentication and Stripe/Firebase integrations.

**Full-Stack Software Engineer (Freelance)** Jan 2021 – June 2023  
Self-Employed *Remote*

- **End-to-End Delivery:** Managed full project lifecycles for international clients, from requirement gathering to final deployment using the MERN stack and WordPress.

## SELECTED TECHNICAL PROJECTS

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### KlickStock – Scalable Stock Photography Marketplace

[\[Link\]](#)

*Tech: Next.js, MongoDB, Tailwind CSS, Cloudinary API*

- Developed a full-scale marketplace architecture enabling creators to manage digital assets with secure licensing and high-performance search algorithms.

### Seeraht – Educational ERP & Management System

[\[Link\]](#)

*Tech: React.js, Firebase, NoSQL, Material UI*

- Engineered a comprehensive ERP system featuring role-based access control and integrated automated billing workflows for academic institutions.

### PumpV2 – Industrial Inventory & Sales Management

[\[Link\]](#)

*Tech: MERN Stack (MongoDB, Express, React, Node)*

- Architected a specialized POS system for petrol stations managing complex stock calculations and concurrent sales reporting.

## LEADERSHIP & ACTIVITIES

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- **Lead Instructor – iCodeGuru:** Delivered a 20+ session MERN curriculum, guiding students through project-based learning. [\[View Curriculum\]](#)
- **Team Lead – Lablab.ai Global Hackathon:** Led cross-functional teams in developing AI-powered applications integrating React Native and OpenAI APIs. [\[Team Showcase\]](#)
- **Community Mentorship:** Provided 1-on-1 technical guidance to junior developers on Software Architecture and Clean Code principles in local developer circles.
- **Technical Research:** Currently exploring backend automation using **n8n** and developing custom Python scripts for real-world workflow optimization.