

Sohaib Kamran

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SUMMARY

Computer Science undergraduate entering 7th semester at FAST NUCES with 2 months of MERN Stack internship experience and four personal projects in full-stack web development and machine learning. Proficient in JavaScript (ES6+), React.js, Node.js, MongoDB, and REST API design, with experience in Git-based workflows, code reviews, and agile sprint cycles.

EXPERIENCE

MERN Stack Intern · Devinity Solutions (US-based), Remote Jul 2025 – Sep 2025

- Built React components and REST API endpoints for 5+ assigned sprint features using Node.js and Express.js, following team code review processes and shared documentation standards.
- Reduced response time on 3 MongoDB-backed endpoints by 30% through Postman request profiling and Mongoose query restructuring.
- Submitted pull requests via Git branching, resolved 4 async state bugs flagged in code reviews, and met all sprint deadlines across 8 weeks.

EDUCATION

Bachelor of Science in Computer Science | FAST National University of Computer and Emerging Sciences Expected August 2027

7th Semester | GPA: 3.0/4.0 | Courses: Data Structures and Algorithms, OOP, Database Systems, Artificial Intelligence, Probability and Statistics, Software Design and Analysis, Digital Image Processing, Operating system, Computer Networks

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, PHP 8, C/C++, HTML5, CSS3

Frameworks and Libraries: React.js, Next.js, Node.js, Express.js, TailwindCSS, Redux Toolkit, Zustand

Databases: MongoDB, MySQL, Mongoose ODM, REST API Design

Machine Learning and AI: PyTorch, OpenCV, scikit-learn, XGBoost, EasyOCR, MobileNetV2, SVM

Dev Tools: Git, GitHub, Vercel, Postman, Vitest, Cloudinary, Visual Studio Code, Codex, Unity

PROJECTS

E-Commerce Architecture (Marco Paints) Next.js 14, React, TypeScript, MongoDB, Zustand, Tailwind CSS

- Architected 10+ RESTful API routes (catalog, cart, orders, wishlist, coupons); deployed on Vercel with SSR, automatic code splitting, and Cloudinary CDN image hosting.
- Implemented NextAuth.js OAuth + JWT auth, bcrypt-secured sessions, and Zustand global state with async server sync across a Mongoose ODM schema layer.

InternBridge PK (Internship Management System) PHP 8, MySQL, PDO, JavaScript, Three.js, CSS3

- Built a three-role web application (Admin, Student, Company) backed by a 10-table normalized MySQL database with 6 indexes, 3 aggregate views, and multi-table JOIN queries.
- Developed an application status pipeline, real-time notifications, and a responsive dark mode interface with a Three.js WebGL background.

Pakistani Financial Screenshot Forgery Detector Python, OpenCV, PyTorch, EasyOCR, SVM, XGBoost

- Built a forgery detection pipeline for Pakistani bank and mobile payment screenshots using MobileNetV2 feature extraction, PCA, Error Level Analysis, EXIF metadata, and OCR text consistency checks.
- Trained a dual SVM and XGBoost soft-voting classifier; built a Tkinter interface with confidence scores, forensic outputs, confusion matrix, and ROC curve evaluation reports.

BMW M Design System (Open Source Contribution) Git, GitHub, Markdown, npm, Vitest

- Contributed a BMW M design system to open-source nexu-io/open-design via fork, feature branch, and pull request, with revisions based on maintainer code review feedback before merging.
- Formatted color palette entries for automated swatch extraction, corrected typography tokens, and updated localization coverage across three supported locales.

CERTIFICATIONS

Programming for Everybody (Python), University of Michigan, Coursera 2025

Introduction to Front-End Development, Meta, Coursera 2025