

Muhammad Ahmad Javed

MERN Stack Developer

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SUMMARY

Junior MERN Stack Developer seeking an internship to apply hands-on experience in React.js, Node.js, Express.js, and MongoDB. Built and shipped a full-stack biometric authentication system (ODONTO-SCAN) integrating OpenCV with a MERN backend, and writes regularly on backend engineering topics. Comfortable owning a feature end-to-end — from schema design to API to UI — and quick to pick up a codebase.

EXPERIENCE

Web Development Intern — Harw Solutions

Jul 2025 – Sep 2025

- Built and shipped responsive full-stack features using React.js, Node.js, Express.js, and MongoDB for live client projects.
- Designed and maintained RESTful APIs consumed by production frontend clients, following MVC structure for maintainability.
- Modeled MongoDB schemas and optimized queries (indexing, aggregation) to reduce response times on data-heavy endpoints.

PROJECTS

ODONTO-SCAN — Dental Biometric Authentication System — Personal / Final Year Project

- Built a full-stack biometric authentication system on the MERN stack, using OpenCV for dental-pattern feature extraction and matching to verify patient identity.
- Designed the Node.js/Express REST API and MongoDB schema for encrypted storage of patient biometric and record data.
- Replaced manual, error-prone patient verification with automated matching, cutting front-desk verification time in dental clinic workflows.
- Published with a full technical README on GitHub as a portfolio-grade project.

CoinDom — Cryptocurrency Information Platform — Personal Project

- Built a React.js frontend consuming third-party crypto market APIs to display live prices, trends, and historical data.
- Implemented client-side data visualization and a responsive UI for browsing multiple assets and timeframes.

Slugify — Discord URL Shortener Bot — Personal Project

- Built a Node.js Discord bot with a custom command handler to generate and manage shortened URLs directly in-server.
- Designed slug generation and a persistence layer for link mapping, giving communities fast shareable links without leaving Discord.

EDUCATION

BS Computer Science (Hons.) — University of Agriculture, Faisalabad

2021 – 2025 | CGPA 3.29/4.0

Intermediate (Pre-Engineering) — Superior Group of Colleges

2021 | 80%

Matriculation (Science) — Divisional Public School

2019 | 85%

SKILLS

Backend: Node.js, Express.js, REST API Design, JWT & Session Auth, Mongoose

Database: MongoDB (schema design, aggregation, query optimization)

Frontend: React.js, HTML5, CSS3, JavaScript (ES6+)

Tools: Git & GitHub, Postman, OpenCV