**SUMMARY**

M. Husnain Khan

**Mern Stack Developer**

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# Computer Science student specializing in backend development, with hands-on experience building scalable full-stack web applications using Node.js, Express, MongoDB, MS SQL, and React.js. Passionate about designing REST APIs, optimizing databases, and solving complex problems through clean, efficient code. Delivered 4+ self-driven projects demonstrating end-to-end development skills. Proficient in version control (Git/GitHub) and committed to Agile practices and continuous learning.

# EDUCATION

**Mohammad Ali Jinnah University, Karachi, Pakistan - 07 / 2027**

*Bachelor of Science, Computer Science* - *GPA: 3.14*

# CERTIFICATIONS

**Backend Development Course – [PW Skills] 08/2024**  
Gained hands-on experience in Express.js, Node.js, MongoDB, RESTful APIs, and user authentication.

**Basics of Data Structures and Algorithms – [Simplilearn] 12/2024**

Learned foundational concepts of arrays, stacks, queues, recursion, searching, and sorting.

**OOPs Concepts in C++ – [Great Learning] 03/2024**

Covered fundamental concepts of OOP like inheritance, encapsulation, abstraction, polymorphism

**Software Engineering Essentials – [Coursera] 04/2025**

Learned about SDLC, Process Models, Agile, Scrum, Incremental and gain insights of testing and documentation

**Project Experience**

**Nestify – Property Listing Platform**

* Developed a full-stack web application using Node.js, Express, MongoDB, React, and Tailwind CSS.
* Enabled users to create, list, search, and filter properties for rent or sale.
* Implemented user authentication with JWT and session-based login for secure access.
* Added category-based filtering to sort properties by type (e.g., apartment, house).
* Integrated property details with user profiles for personalized management

**Uber Clone – Ride Request System**

* Built a real-time ride dispatch system using Socket.io for two-way communication.
* Implemented live location tracking for users and captains (drivers).
* Created an automated driver assignment algorithm to match nearby captains to ride requests.
* Reduced average passenger wait time by approximately 20% with efficient matching logic.
* Developed a simple interface for ride creation and ride acceptance.
* Managed ride status updates (pending, in-progress, completed) using real-time sockets.

**Todo List Web App**

* Designed a personal task management app with a clean and minimal interface.
* Implemented user authentication using JWT for secure task access.
* Integrated backend automation using scheduled jobs (e.g., deleting expired tasks).
* Added email notification feature to remind users one day before the task deadline.
* Used MongoDB for task storage and Mongoose for schema management.

**URL Shortener**

* Built a secure URL shortening service using Node.js, Express, and MongoDB with Mongoose.
* Implemented user authentication with JWT and bcrypt for secure login and access.
* Developed RESTful APIs to generate and manage short URLs linked to user accounts.
* Used EJS for templated views and enabled custom URL redirection and dashboard access.

**SKILLS**

**Technical Skills:**

* JavaScript, C++, Typescript
* Node.js, Express.js, React.js, HTML, CSS, Tailwind CSS, EJS
* NoSQL/MongoDB, SQL/MS SQL
* RESTful APIs, JSON
* Visio, Draw.io, agile, Scrum, Methodologies
* Version Control Git & GitHub

**Soft Skills:**

* Analytical and problem-solving mindset
* Teamwork and Working with Deadlines
* Decision-Making
* Fast Learning
* Problem Solving
* Task Management
* Driven by curiosity and continuous improvement
* Enthusiasm for New Technologies