

Daniyal Fahim

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EDUCATION

National University of Computer and Emerging Sciences (FAST)

Karachi, Pakistan

B.S. in Computer Science

- o **Concentrations:** Software Development, Database Management, Full-Stack Web Development
- o **GPA:** 3.73/4.00, Dean's List
- o **Related Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Computer Organization, Database Systems, Operating Systems, Software Engineering, Artificial Intelligence

TECHNICAL SKILLS

Programming: React.js, Node.js, JavaScript, HTML/CSS, SQL, Python, C++, C

Tools: PyCharm, Jupyter Notebooks, Git, Bootstrap

Technologies: PostgreSQL, MongoDB, Numpy, OracleDB

Soft Skills: Strong Communication, Leadership, Critical Thinking, Report Writing

EXPERIENCE

Software Developer Intern

Karachi, Pakistan

Digital Thunder LTD

July 2025 – August 2025

- Improved software functionality by resolving issues and implementing key enhancements.
- Introduced caching, SSL, and rate limiting, along with wrappers to boost usability and readability.
- Created and maintained Jest test cases, ensuring code reliability and easier debugging.

Backend Developer Intern

Karachi, Pakistan

DevelopersHub

Jan 2025 – Feb 2025

- Engineered the backend of DShopping with EJS-based server-side rendering, delivering within a strict 4-week deadline.
- Designed and implemented RESTful APIs and optimized performance through debugging and code improvements.
- Integrated MongoDB and PostgreSQL for robust data handling, leveraging both NoSQL and SQL strengths.

SQA Automation Intern

Karachi, Pakistan

Co-Ventech

July 2025 – Present

- Performed smoke, regression, and stress testing to ensure product stability and uncover hidden edge cases.
- Created and maintained detailed test cases, improving defect detection and overall system reliability.
- Worked with both manual and automation testing practices, strengthening understanding of quality, performance, and security in software systems.

PROJECTS

D-Pay: Full Stack E-Wallet Project

Karachi, Pakistan

Team Member [DPay Live Preview](#)

Nov 2024 – Dec 2024

- Built a secure **full-stack e-wallet** with JWT authentication, bcrypt password hashing, React.js, Express, and PostgreSQL.

D-Shopping: Full Stack E-Commerce Project

Karachi, Pakistan

Individual Project

Dec 2023 – Feb 2024

- Developed an **EJS-based e-commerce backend** with RESTful APIs, integrating **MongoDB and PostgreSQL** for efficient data handling.

Dijkstra's Algorithm Implementation

Karachi, Pakistan

Team Leader [Dijkstra With React and D3 live preview](#)

Nov 2024 – Dec 2024

- Created an **interactive Dijkstra pathfinding tool** using **React and D3.js**, enabling real-time graph updates and visualization.

CERTIFICATION

Developing Back-End Apps with Node.js and Express – IBM

Credential ID: YKJ3EPKXETE

Introduction to Web Development with HTML, CSS, JavaScript – IBM

Credential ID: PWMAUYFDQ559