

DANYAL ARIF

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EDUCATION

Comsats University Islamabad

Bachelor of Science in Computer Science

January 2020 – January 2024

Islamabad

CGPA: 3.47

EXPERIENCE

Full Stack Engineer

Cowlar Design Studio

February 2024 – Present

Islamabad

- Developed and maintained the company's website, **increasing leads by 30%** by showcasing its capabilities through user-friendly design and optimization.
- Developed scalable and robust full-stack applications for real-time IoT scenarios by leveraging modern technologies such as **React, Vue, Node, and Express**.
- Engineered real-time architectures for IoT applications, enhancing performance and scalability by utilizing **MQTT broker systems** and **Node, Express, and Nest**.
- Improved performance across multiple websites, **reducing load times by 35%** and significantly enhancing user experience through code optimization and efficient resource management.
- Implemented responsive designs, ensuring optimal user experience across various devices and screen sizes by using **Tailwind CSS and media queries**.
- Contributed to CI/CD pipeline development, improving development efficiency and release reliability by automating testing, building, and deployment processes.
- Integrated third-party APIs, including **Google Maps**, enhancing functionality and user experience by incorporating external data and interactive features.

Full Stack Developer

USquare Solutions

September 2023 – December 2023

Islamabad

- Applied image compression techniques, **reducing page load times by 20%** and improving overall site performance through efficient resource optimization.
- Developed and implemented a real-time chat subsystem, enabling effective communication among system users by utilizing **WebSocket technology**.
- Conducted comprehensive code refactoring, improving codebase readability and maintainability by applying clean code principles such as **SOLID and design patterns**.
- Reduced bugs in production by 30%**, enhancing code quality and reliability by implementing automated unit testing with **Jest**.

SKILLS

Languages: HTML, CSS, JavaScript, TypeScript

Frontend: React, Vue, Next, Material UI, Tailwind CSS, jQuery

Backend: Node, Express, Nest, Sequelize, WebSockets, MQTT, Swagger, JWT, Microservices

Databases: MongoDB, MySQL, PostgreSQL, InfluxDB, Firebase

Testing: Jest, Supertest, Selenium, React Testing Library

DevOps and Cloud: Git, GitHub, GitLab, Docker, Kubernetes, AWS, CI/CD Pipelines

ACHIEVEMENTS

Open House - Comsats Career Expo Fall 2023 | *Second Position*

Achieved the 2nd position at Comsats Career Expo among 50 projects.

Web Development Hackathon - Visio Spark 2023 | *First Position*

Achieved the 1st position in web development at Visio Spark 2023 while competing with 45 other teams.

PROJECTS

DABS - Final Year Project | *React, Node.js, Express, MongoDB*

Developed a centralized web and mobile platform transforming hotel bookings in Pakistan. DABS seamlessly connects travelers to their ideal accommodations while equipping hotel owners with robust tools for hotel management, marketing, detailed reports & analytics, and staff management. Key features include:

- Hotel, room, and staff management
- Dynamic staff access rights for tailored control
- AR-based discount coupons
- Bookings and secure Stripe payments
- Automated marketing
- Real-time chat for admins, owners, customers, and staff
- Detailed reports and analytics
- Searching and filtering

Music Streaming Website | *React, Node.js, Express, MongoDB*

Created a music streaming website enabling users to manage and stream their music files within the application.

- Music management
- Music streaming

MovieHub | *React, Node.js, Express, MongoDB*

Built a movie platform where users can watch trailers and rate movies.

- Browse movies
- Manage reviews

DineIn | *React Native, Firebase*

Developed a multi-vendor mobile application for ordering food from various restaurants. Major features include:

- User profiling
- Hotel and food management
- Rating and reviews
- Wishlist, cart, and order management

E-Commerce Website | *Laravel, PHP, JavaScript, MySQL*

Built a robust e-commerce platform with extensive features such as:

- User profiling
- Cart and order management
- Product management
- Ratings and reviews
- Secure payment integration
- Admin panel for store management