DAWOOD HUSSAIN

Islamabad | dawood90999@gmail.com | +923054449099

github.com/DawoodHussain-Repo | linkedin.com/in/dawood-hussain

FULLSTACK DEVELOPER

EDUCATION

Bachelor in Software Engineering *Anticipated 2026*
FAST NUCES, Islamabad **CGPA: 3.19/4.0**

Relevant Coursework: Data Structures, Object Oriented Programming, Web Development, Natural Language Processing, Software Construction and Development, Database Systems, Software Design and Architecture, Software Quality Assurance

TECHNICAL PROJECTS

Fintech Forecasting Application *2024*

- Engineered financial forecasting platform with LSTM, GRU, and ARIMA models for stock, crypto, and forex predictions
- Containerized with Docker for scalable deployment; implemented MongoDB caching reducing latency by 80%
- **Stack:** Python, Flask, TensorFlow, MongoDB, Docker

Converso SaaS App – AI Educational Platform *June 2025*

- Built full-stack SaaS platform for AI-powered educational companions with authentication and premium features
- Architected scalable backend with Supabase; integrated Sentry for production monitoring and error tracking
- **Stack:** Next.js, React 19, Tailwind CSS, Supabase, Vapi AI, Clerk, Sentry

CipherChat – Encrypted Messaging Platform *2024*

- Designed secure messaging app with AES-256-GCM encryption, ECDH key exchange, and zero-knowledge architecture
- Built RESTful API with Express.js and MongoDB; implemented Socket.io for real-time encrypted delivery
- **Stack:** React.js, Node.js, Express, MongoDB, Socket.io, Web Crypto API, Tailwind CSS

Airplane Management System *Dec 2024*

- Developed full-stack airline operations system with role-based access control and CRUD operations
- Built RESTful API with Node.js/Express; integrated JWT authentication and Stripe payment processing
- **Stack:** React, Node.js, Express, MongoDB, JWT, Tailwind CSS, Stripe

AI Mindful Rating Agent *March 2025*

- Built AI educational platform with Flask backend using LangGraph/LangChain for agent orchestration
- Implemented ChromaDB vector database for semantic search with real-time voice AI integration
- **Stack:** Flask, LangGraph, LangChain, ChromaDB, Sentence Transformers

TECHNICAL SKILLS

Languages & Frameworks: JavaScript, TypeScript, Python, Node.js, Express, React, Next.js, Flask
Databases: MongoDB, PostgreSQL, MySQL, Supabase, ChromaDB
DevOps: Docker, Kubernetes, GitHub Actions, CI/CD Pipelines, Git
AI/ML: TensorFlow, PyTorch, LangChain, LangGraph, NLP, RAG