Ammar Ahmad

Full Stack Developer | Python Engineer | AI Developer | WEB3 Developer | AI Forward Deployed Engineer

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Skills

Frontend: Nextjs, React.js, Angular.js, JavaScript (ES6+), Material UI, Tailwind CSS, TypeScript, HTML5, CSS3, Unit tests, Test driven development

Backend: Node.js, Express.js, REST APIs, FastAPI, Python, Flask, JSON Web Token, Test driven development, Redis, OAuth 2.0

Database: MongoDB, MySQL, Postgres

Web3/Blockchain: Ethers.js, Web3.js, Wallet Integration

Cloud & Deployment: Oracle Cloud Infrastructure (OCI), AWS, Google Cloud, Netlify, Vercel, Docker, S3, EventBridge, Kafka

Version Control: Git, GitHub

AI & Data Science**:** Machine Learning, Forecasting, Anomaly Detection, Data Analytics, TensorFlow/Keras, Scikit-learn, Model Deployment, Python (Pandas, NumPy, Matplotlib)

Others: CI/CD, Firebase (Auth, Google Sign-In), Payment Integration

Experience

Software Engineer | Tabiat | Islamabad, Pakistan | Mar 2026 –

- Automated recurring patient screening workflows by building an AWS EventBridge Scheduler and SQS driven job system that dynamically creates per patient follow up reminders, resulting in consistent stepped care escalation for Edinburgh Postnatal Depression Scale (EPDS) risk assessments.
- Strengthened application security by implementing jwt based session authentication with password hashing and two-factor authentication, resulting in a PHIPA compliant login system protecting sensitive perinatal mental health patient data.
- Improved content freshness across the platform by wiring Strapi CMS webhook events into an incremental Typesense search index update pipeline, resulting in real-time search results without polling overhead.

Product Engineer (Startup Project) | Auto-Scale AI | Germany – Remote | Aug 2025 – Feb 2026

- Co-founded an early-stage AI automation focused on voice-based business agents
- Built AI voice agents for cold-outreach demos targeting industries such as healthcare and real estate
- Developed automation tools that demonstrates AI-driven customer interaction workflows

Full Stack Developer | Z-Media Technologies | Islamabad, Pakistan | Oct 2024 – Aug 2025

- Accomplished the development and maintenance of web applications by using the MERN stack to achieve seamless integration between frontend and backend.
- Optimized application performance by refactoring code, improving scalability, and enhancing reliability in dynamic environments
- Collaborated with designers, product managers, and cross-functional teams to deliver intuitive, user-focused solutions.

- Applied coding best practices to produce clean, scalable, and testable code.

Website Developer | Theseguyz | Islamabad, Pakistan | June 2023 – Dec 2023

- Designed and developed responsive, scalable websites using modern web technologies
- Optimized website performance, speed, and responsiveness across devices and browsers
- Troubleshot, debugged, and fixed system issues to improve user experience

Freelance Full Stack Website Developer | Remote | Dec 2021-

- Built and maintained websites and web applications for clients across various industries using diverse technology stacks.
- Gathered client requirements through effective communication to create customized, high-performance solutions.
- Wrote, debugged, and optimized code focused on scalability, reliability, and security.
- Provided ongoing maintenance and updates to align with the latest technologies and security standards.

Projects

Lumi – AI Agent

- Developed a full-stack web3 crypto analytics platform application by integrating real-time market data and AI-driven insights, resulting in comprehensive and actionable user analytics.
- Engineered an efficient market data processing system using CoinGecko API with intelligent caching and batching techniques, achieving a 70% reduction in API calls and significant cost savings.

WYN & Co – Corporate Website

- Built and deployed a modern corporate website using Next.js with server-side rendering (SSR) and advanced SEO practices, improving search engine visibility and user engagement.
- Enhanced overall site performance through Next.js image optimization and other built-in features, resulting in faster load times and better user satisfaction.

CNN Image Classifier – Cancer Detection

- Developed a convolutional neural network (CNN) using TensorFlow/Keras on Google Colab, achieving reliable classification of medical images into cancer and non-cancer categories.
- Preprocessed and augmented a limited dataset with techniques such as resizing, normalization, and data augmentation, significantly improving model accuracy and generalization on unseen data.
- Trained and validated the model to produce robust performance, demonstrating effective application of deep learning in medical image analysis.

Education & Certifications

Institute of Space Technology Islamabad, Pakistan

Bachelors in Computer Science

- Won the International entrepreneurship competition by introducing environmentally friendly startup that supports SDGs
- Key coursework: Data Structures & Algorithms, Machine Learning, Database Systems, Software Engineering

Certifications

- **Oracle Cloud Infrastructure 2025 Certified Data Science Professional**
  Validated skills in building, training, deploying, and managing ML models using OCI services such as Data Science, Model Catalog, and Object Storage.