

Aadil Salman Butt

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer and AI/ML specialist with 1+ year of production experience building scalable SaaS platforms, LLM-powered applications, computer vision systems, and MLOps pipelines. Proficient in React, Next.js, Node.js, Python, FastAPI, and AWS, with a track record of integrating payment systems, deploying RAG chatbots, and shipping AI features in Agile environments.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL

Frontend: React.js, Next.js, HTML5, CSS3, Shadcn UI

Backend: Node.js, FastAPI, Django, REST APIs, Microservices, Kafka, Redis

Databases: MongoDB, PostgreSQL, FAISS, MinIO / AWS S3

AI / ML: LLMs, RAG Pipelines, LangChain, GPT-4, Computer Vision, YOLOv11, Pose Estimation, Chatbots, Voice Assistants

MLOps & Cloud: AWS, Docker, Kubernetes, CI/CD, Automated Retraining, ByteTrack, DeepSORT, MediaPipe, OpenCV

Tools: Git, Linux, Jira, Agile/Scrum

EXPERIENCE

Full Stack Engineer — ILMVERSITY (Da1ilmverse), Lahore

Oct 2025 – Present

- Built 5+ full-stack features in React, Next.js, and Node.js; reduced page load time by ~35% through frontend optimization and API caching
- Developed an LLM-powered chatbot and voice assistant that automated ~40% of user support queries and improved engagement metrics
- Integrated Stripe, Chase, and KuickPay across 3 payment flows, reducing payment failure rate by ~25%
- Built a reusable UI component library (15+ components) that cut team feature development time by ~30%

Web Development Intern — Fiveriver Technologies

Jul 2023 – Mar 2024

- Built responsive React frontends and API-driven MongoDB applications for real-time client dashboards
- Refactored legacy codebase, reducing bug tickets by ~20%

SELECTED PROJECTS

CFPRS — AI Cricket Fair Play & Officiating Platform

- Built a multi-object tracking and pose-estimation pipeline (YOLOv11, ByteTrack, DeepSORT, MediaPipe) for automated LBW analysis, wicket detection, and no-ball detection across 10,000+ frames per match
- Designed a Kafka + Redis streaming architecture for low-latency live inference and a RAG-based fair play scoring engine that generates evidence-backed referee reports with per-player conduct scores
- Built a FastAPI backend with PostgreSQL, MongoDB, and S3 for match incident management; containerized the full pipeline with Docker and Kubernetes

ApexFlow — F1 MLOps Platform

- Built an end-to-end MLOps pipeline (Python, Docker, AWS) for real-time lap-time prediction, with automated retraining that cut manual intervention by ~80%

LegalMindRAG — AI Legal Intelligence

- Built a RAG pipeline (FAISS, LangChain, GPT-4) over 10,000+ legal documents; source-grounded retrieval reduced hallucination rate by ~60% vs. the base LLM

MotorAI — Intelligent Car Marketplace

- Built an AI-powered marketplace with computer vision car analysis, semantic search, and admin tooling; the automated listing pipeline reduced manual effort by ~50%

Finbotics — Finance Analytics Platform

- Built a full-stack React + Node.js analytics dashboard with ML-based forecasting across 5+ asset classes for portfolio tracking

EDUCATION

BS Computer Science — FAST-NUCES, Lahore

Aug 2022 – Jun 2026

A Levels — Lahore Grammar School, Johar Town (2020–2022) | O Levels — Beaconhouse School System, Garden Town (2017–2020)

CERTIFICATIONS

AWS Academy Cloud Foundations • Digital Skills: Artificial Intelligence (FutureLearn)