

SAAD ASIF

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PROFESSIONAL SUMMARY

Computer Science Graduate specializing in building **efficient, secure, and scalable full-stack applications**. Experienced in developing end-to-end user interfaces, optimizing database schemas, and integrating machine learning architectures into production workflows. Focused on writing **clean, maintainable, and well-tested code** across the entire software development lifecycle.

EDUCATION

FAST National University of Computer and Emerging Sciences
Bachelor of Science in Computer Science

June 2026

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Python, C++, SQL.
- **Frontend:** React.js, TailwindCSS, HTML5, CSS3.
- **Backend & DevOps:** Node.js, Express.js, FastAPI, Docker, WebSockets, REST APIs, Git/GitHub, CI/CD.
- **Databases & Tools:** PostgreSQL, MongoDB, Supabase, DuckDB, Postman, Stripe, Gemini API.

PERSONAL PROJECTS

BookYourShoot *AI-Powered Photography Marketplace*

[React.js, FastAPI, Supabase, Stripe, WebSockets]

- Built a full-stack marketplace with role-based dashboards, **real-time chat (WebSockets)**, and secure **Stripe escrow payments** with automated release logic.
- Designed an **optimization-based matching system** (Integer Linear Programming) to recommend photographers based on rating, price thresholds, and geographic costs.
- Developed a computer vision pipeline for **automatic photo organization** using face embeddings, DBSCAN clustering, and automated highlight reel generation.
- Implemented intelligent features including **event detection** and an AI assistant utilizing LLMs to help users with booking, discovery, and content suggestions.

CVClinic *Full-Stack Resume Advisor & Career Optimization Platform*

[React.js, TypeScript, FastAPI, Docker, FAISS, Gemini API]

- Architected a full-stack application featuring a React-based dropzone dashboard, dynamic score-ring component, and interactive career roadmaps.
- Engineered an **AI-powered RAG pipeline** combining **FAISS vector search** and Gemini APIs to match resumes against job descriptions, compute alignment scores, and suggest tailored section rewrites.
- Designed a **type-safe REST API** using FastAPI and Pydantic, implementing async document extraction pipelines for PDF/DOCX files and active hyperlink validation.
- Optimized system latency and external API costs by developing a **persistent disk-based cache** utilizing **SHA-256 CV hashing** and atomic file replacement.

ScoutVCT *AI-Powered Esports Scouting Dashboard*

[React.js, FastAPI, PostgreSQL, Gemini API]

- Architected a full-stack esports analytics dashboard using React and FastAPI to parse, process, and visualize complex player match datasets.
- Developed an AI-driven **natural-language database interface** leveraging LLM APIs to translate natural language user queries into structured SQL operations.
- Designed and indexed the relational database schema in **PostgreSQL** to manage match data, player statistics, and performance trends with optimized query execution times.

CERTIFICATIONS

- **Intermediate Git** – DataCamp
- **Intermediate SQL** – DataCamp
- **Introduction to Python** – DataCamp