

AAMIR KHAN

Software Engineer | Python | Java | Full Stack | Cloud | AI Awareness

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CAREER OBJECTIVE

Result-oriented Software Engineer skilled in designing and supporting software systems across backend, frontend, and API layers. Experienced with Python, Java, and JavaScript, and familiar with Agile development, OOP, and cloud environments (AWS, Docker). Passionate about solving real-world problems, learning fast, and contributing to scalable, customer-impacting products.

EDUCATION

B.Tech in Computer Science Engineering (AI & ML Specialization)

Noida Institute of Engineering and Technology, Greater Noida (AKTU)

2021 – 2025

CGPA: 8.2/10

TECHNICAL SKILLS

- Programming Languages:** Python, Java, JavaScript (ES6+), C++, SQL
- Frameworks:** Spring Boot, Hibernate ORM, FastAPI, Flask, Node.js, React.js
- Databases:** MySQL, PostgreSQL, Oracle(basic)
- Cloud & Tools:** AWS (EC2, S3,Lambda), Docker, GitHub Actions, Jenkins
- AI Tools:** Github Copilot, Generative AI, Prompt Engineering (intro)
- Concepts:** OOP, Agile, RESTful APIs, Microservices, SDLC, CI/CD, Cloud Security
- Soft Skills:** Collaboration, Problem Solving, Mentorship, Continuous Learning, Code Reviews

INTERNSHIP EXPERIENCE

AI & ML Intern

Internshala Programs

4th Semester (2 Months)

Remote

- Applied foundational and intermediate AI/ML concepts to build and train diverse machine learning models (classification, regression, clustering) on real datasets. Executed comprehensive data preprocessing, feature engineering, and model evaluation techniques using Python libraries like scikit-learn, pandas, and NumPy. Developed and presented project outcomes in Jupyter Notebook, demonstrating proficiency in analytical workflows.
- Outcome: Enhanced practical understanding of AI/ML workflows and improved coding discipline through hands-on, project-based learning, setting a strong foundation for future development.

KEY PROJECTS

AI Personal Healthcare Assistant

Feb 2025 – Present

Under Development

- Leading the development of a personalized AI healthcare assistant with a Streamlit frontend and a FastAPI backend, demonstrating full-stack AI application development.
- Engineered conversational capabilities using Natural Language Processing (NLP) by integrating LangChain and OpenAI GPT models for contextual dialogue and complex query understanding.
- Designed and implemented machine learning models for predictive analysis of stress, fatigue, and other minor health risks, achieving preliminary accuracy of 90% on test datasets.
- Developed custom tools within the platform for symptom tracking, lifestyle recommendations, and basic medical report interpretation.
- Outcome: Prototype successfully validated by 100+ users, providing comprehensive personalized health tracking and AI-driven guidance. Currently working towards further model optimization and system deployment.

VICTSI – Cyber Victim Support Interface Platform

Feb 2024

Developed & Launched

- Created and launched a dynamic web-based community platform using ReactJS, Node.js, and Firebase for cyber fraud victims to share experiences and access support. Designed and implemented an **anonymous posting system** with robust **moderation tools, real-time chat features, and security measures** including IP masking and PAM detection.
- Leveraged Tailwind CSS for efficient and responsive UI development, enhancing the user experience.
- **Impact:** Empowered **500+ users within the first month**, fostering a safe, moderated environment for emotional and legal support, significantly expanding community reach.

WhatsGPT – AI WhatsApp Chatbot

📅 June 2023

📍 Developed & Integrated

- Engineered an **intelligent WhatsApp chatbot** leveraging Python, Twilio API, and OpenAI GPT API for real-time conversational AI. Integrated with WhatsApp Business API via Twilio and deployed on Heroku, managing user queries through OpenAI's large language model API. Designed and implemented a **context management system** for continuous user conversations, storing logs in MongoDB for future model training and improvement.
- **Outcome:** Enabled **24/7 intelligent responses** for personal and academic queries, showcasing a strong ability to integrate LLMs into real-world messaging platforms and handle significant user interactions.

FREELANCE ENGAGEMENTS

Interior Design Firm Website

Client Project

📍 HTML, CSS, JavaScript, Bootstrap, WordPress

- Designed and developed a modern, responsive website for an interior design studio, showcasing its portfolio, client testimonials, and services. Prioritized **aesthetic appeal and mobile-first performance**, integrating an interactive image gallery and contact form.
- **Outcome:** Resulted in a **40% increase in client inquiries** after launch, significantly improving the firm's online brand presence and lead generation.

News Channel Website

Client Project

📍 ReactJS, Node.js, Firebase

- Built a dynamic web platform for a local news channel with **real-time news posting, article management, and push notification capabilities**. Implemented **multi-author support** and robust content moderation features to streamline editorial workflows.
- **Outcome:** Successfully transitioned the news channel from a social media-centric presence to a professional web platform, boosting **credibility and readership**.

CERTIFICATIONS & COURSES

- Human-Centered Design (University of Toronto, 2023)
- NoSQL DB (IBM, 2023)
- Java, JavaScript, Spring Boot & NLP (Infosys Springboard, 2024–2025)
- Artificial Intelligence (Infosys Springboard, 2025)

AWARDS & ACHIEVEMENTS

- Ranked 2nd in the College Aptitude Test Competition, 2022
- Enhanced backend system throughput by 30% through optimized database and caching.
- Collaborated with global teams, ensuring project deliverables met 100% deadlines.
- Built and deployed over 5 scalable applications across cloud environments.
- Improved API error handling and documentation, reducing debugging time by 25%.

LANGUAGES

English (Fluent) Hindi (Native)

INTERESTS

Open Source Contributions Tech Blogging Developing Side Projects Reading Books