

## SAQIB AKBAR

### Software Engineer

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## PROFESSIONAL SUMMARY

Innovative and results-oriented **Full Stack Developer (MERN | .NET | Java)** with hands-on experience in designing, developing, and deploying modern web and AI-driven applications. Skilled in **React, Node.js, Express, and MongoDB**, with a strong foundation in **Data Structures & Algorithms, backend architecture, and machine learning/deep learning models**. Demonstrated ability to integrate **voice, text, and emotion recognition** features into intelligent systems.

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## TECHNICAL SKILLS

**Programming Languages:** JavaScript (ES6+), Java, C#, Kotlin, C++, Python

**Frontend Development:** React.js, HTML5, CSS3, Bootstrap

**Backend Development:** Node.js, Express.js, ASP.NET Core, Java Spring Boot, RESTful APIs

**Databases:** MongoDB, MySQL, SQL Server, SQLite

**AI & Machine Learning:** TensorFlow, PyTorch, Scikit-learn, Deep Learning, NLP, TTS/STT, Emotion Detection

**Real-Time Communication:** SignalR, WebSockets

**Version Control:** Git, GitHub

**Mobile Development:** Android (Kotlin)

**Software Development Concepts:** OOP, MVC Architecture, System Design, Authentication & Authorization

**Testing & Debugging:** Postman, Unit Testing, Debugging Techniques

**Tools/Frameworks:** LangChain, LangGraph, OpenAI APIs (LLMs Integration)

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## PROJECTS

**AI Mental Health Assistant (Final Year Project(continue..) | React, Node.js, MongoDB, Python)**

- Built an intelligent **mental health-driven web app** integrating **speech-to-text (STT), text-to-speech (TTS), emotion detection, and voice recognition**.
- **Frontend:** React.js with responsive design and smooth UI interactions.
- **Backend:** Node.js + Express with secure API endpoints and MongoDB for data persistence.

- Integrated **machine learning models** for emotion and sentiment analysis to enhance user experience.
- Implemented **JWT-based authentication** and **role-based authorization**.

### MERN Blog Platform (React, Node.js, Express, MongoDB)

- Developed a full-stack blog application with complete **authentication and authorization** flow.
- Implemented **bcrypt** for password hashing and middleware for **email and role validation**.
- Designed a clean and interactive UI using React hooks and modern component architecture.

### Perfume Management Store (ASP.NET Core, C#)

- Built a real-time e-commerce system with **SignalR** for live order updates.
- Designed role-based authentication and order tracking system.
- Developed secure APIs and a visually appealing frontend interface.
- [GitHub Repository](#)

### Inventory Management System (Java)

- Full-stack inventory system using Java for backend logic and Bootstrap for frontend design.
  - Implemented efficient CRUD operations with data persistence.
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## EDUCATION

### BS Information Technology (7th Semester)

*Punjab University College of Information Technology (PUCIT)*

2022 – 2026

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## LANGUAGES

- **English:** Fluent
- **Urdu:** Fluent