SAQUIB AKHTAR

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Career Objectives

Experienced Java Full Stack Developer with hands-on expertise in building **clean, scalable, and high-performance web applications** using **Java, Spring Boot, React.js, and RESTful APIs**. Completed **formal industrial training** in full-stack Java development, focusing on **clean code, modular architecture, and industry best practices**. Proficient in designing **secure backend systems**, integrating databases (**MySQL, Oracle**), and delivering **robust, maintainable, and modern software solutions**.

Skills

Core Programming:
- **Java:** Core Java, OOP, Multithreading, Collections, Exception Handling
- **Python:** Scripting, data analysis, machine learning

Frontend: React.js, HTML5, CSS3, JavaScript, Tailwind CSS
Databases: Oracle, MySQL, MongoDB
Backend Frameworks: Spring Boot, REST API
Testing/Tools: JUnit, Mockito, Maven, Git, VS Code, Eclipse EE, Intellij IDEA, SLF4J, Log4j
DevOps & Cloud: Basic CI/CD pipelines, AWS
Artificial Intelligence & Machine Learning: Large Language Models (LLMs), Prompt Engineering, Model Fine-Tuning, API Integration, Model Context Protocol (MCP), YOLOv5, OpenCV, TensorFlow, Natural Language Processing (NLP), Agentic AI (LangChain, AutoGen, N8N)
Engineering Skills: Embedded systems, microcontroller programming, image processing, hardware integration, digital and analog electronics, communication protocols, circuit design, signal processing.

Work Experience

Qatasys Pvt. Ltd. — *Java Full Stack Developer* (Feb 2024 – May 2025)
Project: AI-based Recruitment & Interview System
Project Type: *Brownfield/Enterprise Project*
Description:
An AI-powered recruitment platform that automates job posting, resume screening, interview scheduling, AI-proctored video assessments, coding tests, and confirmation mails — enabling a fully automated hiring workflow.
Roles & Responsibilities:
- Refactored backend into MVC architecture, improving readability, maintainability, and reducing onboarding time by ~30%.
- Used Swagger to document APIs, enhancing collaboration and reducing integration errors by ~25%.
- Optimized backend code and database queries, achieving ~20% faster response times.
- Developed and updated modules for automated job posting and resume filtering, enabling smoother workflow automation.
- Collaborated with frontend and AI teams to ensure seamless data flow and reliable feature delivery.
- Followed clean code practices and industry-standard architectures, ensuring stable, maintainable, and scalable software.

IICE — *Front-end Developer Intern* (Aug 2023 – Jan 2024)
Project Title: Responsive Web & UI Development
Project Description:
- Developed responsive web layouts using **HTML5**, **CSS3**, and **JavaScript** following modern web standards
- Implemented modern UI designs with **Tailwind CSS** ensuring seamless performance across desktop and mobile devices
- Built interactive web components and optimized page layouts for enhanced user navigation
- Assisted in **React.js** component development and integration under senior developer guidance
- Collaborated with design team to translate wireframes into functional, pixel-perfect user interfaces

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Personal Projects

Hospital Management System — *Java Full Stack Project*
Tech Stack: Spring Boot, React.js, MySQL, Spring Security, JPA, REST API
Description:
Developed a full-stack hospital management system enabling secure CRUD operations for patients, staff, and appointments. Implemented RESTful APIs, real-time data handling, and responsive UI for efficient hospital operations.
Responsibilities:
- Built core backend APIs using **Spring Boot** and **Java 17** for patient and appointment management.
- Implemented **Spring Security** for authentication and role-based access.
- Designed **MySQL schema** and managed entity relationships with **JPA**.
- Integrated backend with **React.js frontend** for smooth data flow.
- Performed **unit testing** and optimized API performance.

Multiple Seed segregation using Image Processing | *Major Project College* (Feb, 2023 – Sep, 2023)

Technologies Used: YOLO v5, OpenCV, Python, Soft X-ray (DRDO)
Developed a seed segregation system using the YOLO v5 object detection model to classify different seeds based on external and internal features.
Collaborated with the University of Agricultural Sciences, Bengaluru to collect and process a dataset of various seeds under different conditions, including with and without light sources.
Integrated Soft X-ray hardware from DRDO for enhanced internal feature detection, improving segregation accuracy to 97%.
Implemented hardware integration using Arduino UNO and a microscopic camera for manual seed segregation.
Research work published by IEEE: https://ieeexplore.ieee.org/document/10275949

Mini Project | Bengaluru, Karnataka
CNN based Segregation | April, 2022 – August, 2022

Technologies Used: CNN, TensorFlow, Python, OpenCV, Jupyter Notebook.
Developed a Convolutional Neural Network (CNN) model to classify good and bad seeds based on external features.
Used a custom soybean and sunflower dataset to train and test the model.
Achieved 82% accuracy in seed classification, contributing to precision agriculture.
Research focused on enhancing agricultural efficiency through AI-driven automation.

Education
Ramaiah Institute of Technology, Bengaluru
B. Tech in Electronics and Communication Engineering | August, 2023

Certifications
Java Full Stack Development Certification – *NareshIT, Hyderabad*
Oracle SQL Certification – *NareshIT, Hyderabad*

Google UI/UX Certification – Coursera
Google Play Academy - United Latino Students Association

Soft Skills
Smart Work | Problem Solving | Interpersonal Skill | Team Collaboration | Communication Skills | Analytical Thinking

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Languages
English, Urdu, Hindi