SAQUIB AKHTAR

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Career Objectives

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

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

IOSYS Private Limited — *Java Full Stack Developer Trainee* (Sep 2025)
Project: Aippoint **–** AI-based Recruitment & Interview System
Project Type: *Brownfield 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:

- Improved code structure by reorganizing the backend into a clean MVC architecture, enhancing scalability and maintainability.
- Utilized Swagger to document and understand existing APIs, improving communication and integration with the frontend and AI teams.
- Performed backend changes to enhance data handling and system efficiency.
- Collaborated with the team to maintain API documentation and ensure module stability.
- Assisted in testing and debugging existing features.

IICE — *Front-end Developer Intern* (Aug 2023 – Aug 2024)
Project Title: Web Application 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.

Python & Machine Learning Projects

Project Title: Seed segregation using Image Processing | ***Major Project*** (Feb, 2023 – July, 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

Project Title: CNN based Segregation | ***Mini Project*** (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.

Education

Ramaiah Institute of Technology, Bengaluru

B.E in Electronics and Communication Engineering | August, 2023

PUC – Infant Jesus' School, Patna
PCM | July, 2019

SSLC – Infant Jesus' School, Patna
84% | July 2017

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

Languages

English, Hindi, Urdu