Syed Mohideen Afridi

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PROFESSIONAL SUMMARY

Results-driven **Software Engineer** with expertise in developing **scalable and efficient solutions**. **Skilled** in **performance optimisation, writing production-standard code,** and **resolving critical issues**. Proven ability to **lead and collaborate in agile environments**, work effectively with **cross-functional teams** to streamline workflows, and **drive innovation**. A **strong technical foundation**, built through academic excellence and hands-on experience, fuels a commitment to **continuous learning, knowledge sharing, and leveraging emerging technologies** to create **impactful solutions**.

SKILLS AND TECHNOLOGIES

PROGRAMMING LANGUAGES	Java Script	Python	Java	C++
WEB TECHNOLOGIES	HTML · CSS · SCSS		React.js	Node.js
DATABASES	MySQL	MongoDB	Elastic Search	
FRAMEWORKS & TOOLS	Django	Pandas	Docker	Kubernetes
CONCEPTS	DSA · Redux · Memoization · Intersection Observer · React Hooks · Backend Optimization			
SOFT SKILLS	Teamwork · Leadership · Time-Management · Communicaton			

WORK EXPERIENCE

Mad Street Den

Software Engineering Trainee   **July 2024 - Present**
- Developed and **optimised UI components**, **enhancing** application **responsiveness and maintainability**.
- Improved the **Workflow module** by leveraging **React Flow, Konva**, and **drag-and-drop functionalities**, refining user interactions also Contributed to the **Dataset module**, responsible for **profiling and summarising** datasets using **BarCharts and Chart.js**.
- **Led** multiple **Scrum** sessions, facilitating **smooth project execution** in the absence of a dedicated facilitator.
- Optimised **Django-based backend** processes with **Pandas**, significantly **reducing memory load**.
- Implemented a **backend Notification System**, enhancing **user engagement** and **communication**.

Software Engineering Intern   **December 2023 - June 2024**
- Completed the **onboarding project**, gaining a strong understanding of **React concepts** such as **hooks, Redux,** and **state management**.
- Contributed to **building new modules** within an existing AI-based web application, enabling **eCommerce personalisation and recommendation strategies**.
- **Optimised** webpage **load time**, **improving** application **performance**.
- Assisted in **high-priority bug-fixing** sessions, **resolving critical issues** efficiently.

Twowaits Technologies Pvt. Ltd.

Tathastu DSA Scholar Intern   **Aug 2022**
- Created detailed **quiz modules** and **handwritten notes** on essential **DSA** concepts.
- **Solved** a variety of **programming problems** to deepen **algorithmic understanding**.

PROJECTS

SUCCOUR TO FARMERS - Agricultural solution for farmers

- A **tech-driven** solution addressing farmers' challenges with **technological insights.**
- Led **frontend and backend development** for a smart farming platform.
- Designed an **intuitive UI** enabling farmers to access insights on irrigation, soil quality, and weather conditions.
- **Integrated AI-powered recommendations** (handled by teammate) for crop disease detection and fertiliser suggestions.
- Developed **an automated SMS alert system**, providing timely updates on weather conditions and irrigation schedules.
- Integrated **SMS alerts** using **TWILIO API** to provide timely updates to users.
- Created a **marketplace** for direct produce sales, **empowering** farmers through **digital commerce**.

DOCINE - Healthcare Application

- Healthcare application utilising **ML/DL** algorithms for early disease detection.
- Aims to provide timely medical intervention with high accuracy.
- Implemented a **dashboard and separate pages** for doctors and patients, displaying disease history, prevention insights, and specialised hospital details.

SIMPLE CHAT APP - Real-Time Messaging Platform

- Built a real-time chat application using **React and Node.js**, enabling group messaging via **Room-ID.**
- Implemented **WebSockets** to facilitate **seamless bidirectional communication** with **low-latency updates**.
- Developed a **backend server** to handle **live user connections, room management, and message broadcasting**.
- Optimised frontend performance for **user interactions** and **dynamic messaging** updates.

IPL Stats App – Interactive Cricket Dashboard

- Developed an **IPL clone** application using **React**, displaying team profiles and player statistics.
- Designed **interactive player cards and team dashboards**, showcasing match insights and **performance metrics**.
- Mocked and structured hardcoded data to simulate **dynamic API responses**, refining **React component-based architecture.**
- Strengthened knowledge of **state management, API handling, and UI responsiveness** in React development.

Blogs App - Dynamic Blogs viewing Platform

- Built a blogging platform using **Django's MVT (Model-View-Template) pattern**, enabling efficient content management.
- Implemented **pagination** for **seamless navigation** through blog posts.
- Developed a **related posts feature**, changing routes based on user interactions.

CERTIFICATIONS

- Programming in Java - NPTEL
- JavaScript: Understanding the Weird Parts - Udemy
- Machine Learning Onramp - MathWorks
- Problem Solving - HackerRank
- Responsive Web Design - FreeCodeCamp

CLUBS & ASSOCIATIONS

- Association of Information Technologists - Former active contributor and event participant during college.
- National Service Scheme (NSS) - Engaged in voluntary community service.

ACHIEVEMENTS

- Winner - 24-hour Hackathon (CSI, SVCE)
- 1st Place - Tech-Twisters, St. Joseph's Engg. College
- Runner-Up - INTERROGATE, CYNAPSE 2022 (RMK Engineering College)
- Winner - Rota-TechX 2023 (24-hour Hack & Make-a-thon)