Syeda Batool Fatima

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Portfolio: portfolio-olvh.vercel.app

PROFESSIONAL SUMMARY

Software Engineer with expertise in full-stack web and mobile development, database management, and AI/ML integration. Proficient in React.js, Next.js, React Native, Node.js, Python, and SQL with experience in building scalable, secure, and user-focused applications. Skilled in machine learning model integration, REST API development, cloud deployment (Firebase, Vercel), and CI/CD pipelines (GitHub Actions). Strong background in debugging, troubleshooting, and performance optimization with proven ability to deliver high-quality solutions in Agile/Scrum environments.

SKILLS

- Programming Languages: JavaScript, Python, Java, C++, SQL, HTML, CSS
- Web & Mobile Development: **:** React.js, Next.js, React Native, Node.js, Express.js, Redux, Firebase, REST APIs, Bootstrap, Tailwind CSS
- Databases & Cloud**:** MongoDB, MySQL, Firebase, Vercel
- Machine Learning & Data Science: Scikit-learn, TensorFlow, ResNet50, OpenCV, Pandas, NumPy, Matplotlib, Google Colab, Jupyter Notebook, Data Preprocessing, Model Evaluation
- Testing & QA**:** Unit Testing, Integration Testing, Jest, Selenium, Sikuli, Postman, Manual Testing, Automated Testing
- Tools & Platforms: Git, GitHub, GitHub Actions, VS Code, Figma, Canva
- Methodologies & Soft Skills: Agile/Scrum, Problem Solving, Team Collaboration, Communication, Time Management

EDUCATION

Bachelor of Science in Software Engineering   2021–2025
COMSATS University Islamabad, Abbottabad Campus
CGPA: 3.74/4.00 (A1)
Final Year Project: Nephronyx – Kidney Disease Detection & Patient Management System
  Built full-stack web app for kidney disease detection using CT scans.

Built ResNet50-based model achieving 94.5% accuracy in kidney disease classification.
Developed role-based dashboards, appointment scheduling, and report generation.

FSc–Intermediate in Computer Science

Sir Syed Public School and College Sultanpur Havelian   2019 – 2021
 Marks: 904/1100 (A1)

Matric in Science

Sir Syed Public School and College Sultanpur Havelian   2017 – 2019
Marks: 939/1100 (A1)

VOLUNTEER EXPERIENCE

Independent Learning & Projects   Mar 2021– Present
Built full-stack web/mobile apps (React, React Native, Firebase), UI/UX design (Figma, Canva),
CI/CD pipelines (GitHub Actions), and ML experiments (Scikit-learn, Pandas, Google Colab)

PROJECTS

- **AI-Powered Kidney Disease Detection Web App:** Developed a **Flask + ResNet-50** web app achieving **94% CT scan classification accuracy**, implemented a **role-based dashboards** and **appointment scheduling**.
- **StudyHub:** Built a **full-stack React.js application** with **Node.js, Express.js, MongoDB, and Tailwind CSS** for **course tracking, assignment management, and grade monitoring**, enhancing **student workflow efficiency**.
- **MarketPro:** Designed a **responsive React.js marketplace UI** with **dynamic dashboards, product listings, and sales tracking**, optimizing **user engagement and performance metrics**.
- **AI Helper (AI Chatbot):** Created an **interactive AI chatbot frontend** using **React.js**, featuring **real-time messaging, dynamic recommendations, and conversational UI**, improving **user experience and interaction**.
- **Beauty Diary:** Built a **React.js / React Native UI** to track **skincare routines**, integrating **forms, calendars, and progress trackers** for a smooth user experience.

AWARDS & CERTIFICATIONS

- Award of Campus Honor Roll from COMSATS University Islamabad Abbottabad Campus (Spring 2024) – Awarded for ranking among top students.
- Certificate of Highest Achievers Award in Fsc – 2021
- Graphic Designing, NS Training (SMC-Private) Limited – 2023

LANGUAGES

English – Professional Proficiency   Urdu – Native

REFERENCES

References available upon request.