Junaid Ali Bhatti

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About Me

I am an AI and full-stack developer with 1.5 years of experience, specializing in web development and machine learning. I blend cutting-edge AI with robust code to create impactful solutions. My expertise includes crafting seamless web applications and analyzing satellite data.

Work Experience

Software Developer – Vital Green PVT Ltd, Gulberg, Lahore   *Jan 2024 – Present*

- Leading the transformation of **CropSight** into a practical agriculture monitoring tool.
- Key responsibilities include front-end web app development, deploying applications on Ubuntu servers, maintaining server performance, and automating tasks using shell scripting.

Lab Engineer – University of Management and Technology (UMT), Lahore   *June 2024 – Present*

- Conducted labs for programming and modern tech trends within the School of Systems and Technology.

Research Associate – COMSATS University Islamabad, Lahore Campus   *Feb 2024 – Jan 2025*

- Conducting lab sessions for C++ Programming, Operating Systems, and AI.
- Guiding students in innovative projects and research initiatives.

Education

Master of Science in Computer Science (MSCS)
COMSATS University Islamabad, Lahore Campus   *2024 – Present*
Bachelor of Science in Computer Science (BSCS)
COMSATS University Islamabad, Lahore Campus   *2020 – 2024*

Skills

Programming: Python, C/C++, Bash, JavaScript, TypeScript, SQL, Assembly Language
Web Development: ReactJS, NextJS, Django, Tailwind CSS, SCSS
Tools: Google Earth Engine, Matlab, Sentinel Hub, AutoDesk Maya
Specializations: Machine Learning, Computer Vision, GANs, Image Processing

Projects

CropSight   *Feb 2023 – Present*
Technologies: NextJs, Django, MongoDB, Google Earth Engine, Typescript
Project Link: Satellite-based system to analyze crop health and optimize agricultural resources.

Kidney Stone Detection   *Oct 2022 – Dec 2022*
Technologies: CNN, SVM+HOG, Gradio, Tkinter
Project Link: Designed a CT image analysis system using CNNs to detect kidney stones.

NFT Arena   *Oct 2023 – Jan 2024*
Technologies: NextJs, Typescript, Tailwind, Solidity, IPFS, Ethereum
Project Link: Built a decentralized NFT marketplace.

Symptoms Sense   *Oct 2023 – Jan 2024*
Technologies: NextJs, LangChain, OpenAI, Pinecone, Typescript
Project Link: Developed an AI-powered symptom checker.

TEDx COMSATS Website   *Nov 2023 – Dec 2023*
Technologies: NextJs 14, Typescript
Project Link: Designed and implemented the official event website.

Volunteering

TEDx COMSATS Lahore 2024   *2024*
Collaborated with the TEDx COMSATS 2024 team as a dedicated volunteer, contributing to the success of the event. Played a pivotal role in the Web and IT team, taking charge of designing and developing the official event website.

COMSATS IDOL 2023   *2023*
Served as a dedicated volunteer in the Registration Team for the COMSATS Idol event during the Student Week Fall 2023 organized by CMS (COMSATS Music Society). Played a key role in facilitating smooth event registration processes, ensuring a positive experience for participants and attendees.

Certifications

- Artificial Intelligence Developer (PIAIC)   *10/2022 – 05/2024*
- Create Machine Learning Models in Microsoft Azure   *10/2023 – 11/2023*
- Introduction to Cloud Computing   *12/2022 – 02/2023*
- Developing Front-End Apps with React   *10/2023 – 11/2023*
- Getting Started with Git and GitHub   *03/2023 – 04/2023*
- AI For Everyone   *06/2022 – 07/2022*
- Web Application Development with JavaScript and MongoDB   *03/2023 – 04/2023*

Languages

English: Fluent
Urdu: Native
Punjabi: Bilingual