

# Junaid Ali Bhatti

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## About Me

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I am an AI and full-stack developer with 2+ 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

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**Software Engineer** – Smart A and I Solutions PVT Ltd, Gulberg, Lahore Sep 2025 – Present

- Developing intelligent web applications using **Next.js** (frontend) and **FastAPI** (backend) for scalable, high-performance solutions.
- Integrating and orchestrating **LLMs** and **AI Agents** through **LangGraph** to build adaptive, context-aware systems.

**Software Developer** – Vital Green PVT Ltd, Gulberg, Lahore Jan 2023 – Aug 2025

- 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.

**Full Stack Developer** – Logic Finder, Reston, Virginia, US Mar 2025 – June 2025

- Developed and optimized **Network Fort**, a cybersecurity dashboard, using **Next.js** and **SSE** for real-time threat visualization.
- Designed secure **REST APIs** with **Elasticsearch** integration to enhance threat detection efficiency.

**Lab Engineer** – University of Management and Technology (UMT), Lahore June 2024 – July 2025

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

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

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

## Education

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**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

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**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, AutoDesl Maya

**Specializations:** Machine Learning, Computer Vision, GANs, Image Processing

## Projects

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**CropSight**

Feb 2023 – Aug 2025

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.

<b>NFT Arena</b>	<i>Oct 2023 – Jan 2024</i>
Technologies: NextJs, Typescript, Tailwind, Solidity, IPFS, Ethereum	
<b>Project Link:</b> Built a decentralized NFT marketplace.	
<b>Symptoms Sense</b>	<i>Oct 2023 – Jan 2024</i>
Technologies: NextJs, LangChain, OpenAI, Pinecone, Typescript	
<b>Project Link:</b> Developed an AI-powered symptom checker.	
<b>TEDx COMSATS Website</b>	<i>Nov 2023 – Dec 2023</i>
Technologies: NextJs 14, Typescript	
<b>Project Link:</b> Designed and implemented the official event website.	

## Volunteering

<b>TEDx COMSATS Lahore 2024</b>	<i>2024</i>
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.	
<b>COMSATS IDOL 2023</b>	<i>2023</i>

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)	<i>10/2022 – 05/2024</i>
• <a href="#">Create Machine Learning Models in Microsoft Azure</a>	<i>10/2023 – 11/2023</i>
• <a href="#">Introduction to Cloud Computing</a>	<i>12/2022 – 02/2023</i>
• <a href="#">Developing Front-End Apps with React</a>	<i>10/2023 – 11/2023</i>
• <a href="#">Getting Started with Git and GitHub</a>	<i>03/2023 – 04/2023</i>
• <a href="#">AI For Everyone</a>	<i>06/2022 – 07/2022</i>
• <a href="#">Web Application Development with JavaScript and MongoDB</a>	<i>03/2023 – 04/2023</i>

## Languages

**English:** Fluent

**Urdu:** Native

**Punjabi:** Bilingual