## **Junaid Babar**

Full Stack Developer | AI/ML Enthusiast | CS Undergrad

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# Summary

Full-stack developer and AI/ML engineer with real-world experience across multiple companies, delivering scalable web platforms and AIdriven solutions.

## Skills

#### Web Development

HTML, CSS, Bootstrap, JavaScript, PHP, Node.js, Express.js, NEXT

#### **Mobile & Desktop Development**

Java (Android Studio, Firebase), Java Swing

#### **Backend & APIs**

REST APIs, JSON, Authentication, CRUD

### (Streamlit)

Al / Machine Learning

Databases MySQL, SQL, Firebase (Realtime & Firestore)

#### **Tools & Platforms**

Git/GitHub, Firebase Console, VS Code, Android Studio, Oracle

Python (PyTorch, TensorFlow, OpenCV), Deep Learning, NLP, Generative AI, CNNs, Image Processing, Model Deployment

#### **Projects**

#### Deployed AI web app

Python, Tensorflow, Gemini API, Streamlit

Plant Disease Detection

Deployed Al-powered plant disease detection web app using CNN and Gemini API, trained on 87k+ images to classify 30+ diseases with 94% accuracy. Provides Al-generated preventive guidance to farmers.

## GoLearn LMS

PHP, Java, MySQL, JS, Firebase

Github

Built full-stack Learning Management System for web and Android with real-time feeds, assignments, announcements, and role-based access. Inspired by Google Classroom and WhatsApp, deployed for internal academic use.

#### Harmoni - Al Colab tool

Al-driven collaboration platform integrating task management, communication, and meeting orchestration across Jira, Slack, Google Meet, MS Teams, and Todoist. Features Al-scheduled meetings, auto-generated agendas, and targeted summaries using Whisper + GPT/Gemini. Built with Next.js, Prisma, PostgreSQL; developed on-site at Cubic Solutions under CEO mentorship.

#### **Skin Cancer Detection**

Python, Pytorch, HAM10000 dataset, Streamlit

Developed CNN-based skin lesion classifier (HAM10000 dataset) achieving 70% accuracy, focusing on data preprocessing and GPU optimization. Code available on GitHub for further research.

# **Other Projects**

Github

Created additional mini-projects to sharpen skills in web development (HTML/CSS/JS, PHP, Node.js), Android app development (Java, Firebase), and AI/ML (Python, PyTorch, OpenCV, NLP). These include utility tools, experiments with CNNs, and Android apps integrating real-time databases and sensors.

# **Experience**

Intern

**TezHost** May 2025 - Present Web Development Intern Remote

Developing and enhancing client websites using modern web technologies and CMS platforms. Implementing performance optimizations, custom features, and security best practices.

Expanding technical expertise in frontend frameworks, backend development, and hosting environments.

# Inter-Services Public Relations, Pakistan

July 2025 - Aug 2025

March 2024 - March 2025

DHA, Lahore

Remote

- Selected for a national-level program integrating media, national security, and emerging technologies.
- Explored AI applications in cybersecurity and information security strategy.
- Applied entrepreneurial frameworks from industry leaders to conceptualize tech solutions for regulated sectors.

Deal.ai Web Developer & Designer

- Designed and developed responsive, cross-browser websites using Al-powered and custom-coded solutions.
- Created tailored HTML/CSS/JS features beyond standard platform capabilities. Managed multiple client projects, ensuring on-time delivery and consistent UI/UX quality.

# **Education**

Deal.ai

**Superior University, Lahore** 

2022 - Present

**Bachelor of Science in Computer Science** 

Government Islamia Graduate College Civil Lines, Lahore

**FSc Pre Engineering** 

2020 - 2022

**Publications** 

Co-author – "Research Trends In Deep Learning and Machine Learning for Cloud Computing Security"

Published in Spectrum of Engineering Sciences (2025)

Research Paper

Explores the role of ML/DL in securing cloud environments, covering real-time detection, privacy (federated learning, homomorphic encryption), adversarial resilience, and explainable AI.

# Languages

Urdu

**English**