

Abdullah Bin Masood

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PROFESSIONAL SUMMARY

AI Engineer with 4 years of practical experience in **Full-Stack development** and applied machine learning. Skilled in integrating LLMs and NLP models into real-world applications, building efficient data pipelines, and delivering cross-functional solutions.

EXPERIENCE

- **Codistan Ventures** Islamabad, Pakistan
MERN Stack Developer Sep 2023 – Dec 2024
 - **End-to-End Development:** Spearheaded platforms including Headless CMS, Web3-integrated apps, and AI systems using React, Node.js, and FastAPI.
 - **AI Integration:** Integrated ChatGPT API for user interactions and experimented with Hugging Face models.
 - **Team Enablement:** Led 4 developers with code reviews and Agile sprints to drive delivery.
- **LearnOBots** Islamabad, Pakistan
Software Engineer Oct 2022 – Mar 2023
 - **Full-Stack Development:** Delivered Django APIs and HTML/CSS UIs, improving performance, user experience and user interface.
 - **Process Automation:** Built Python automation tools reducing data entry time by 60%.
 - **Customer Support:** Resolved technical queries for 100+ users, ensuring satisfaction.
- **National Centre for Artificial Intelligence (NCAI)** Islamabad, Pakistan
Research Assistant Aug 2021 – Oct 2022
 - **Data Engineering:** Unified multi-source streams to improve compatibility and insights.
 - **ML Research:** Implemented machine learning models with 3% accuracy gain.
 - **Mobile Tools:** Developed Android app cutting manual entry time by 40%.
- **DCube** Islamabad, Pakistan
Frontend Developer Intern May 2021 – Jul 2021
 - **Reusable UI Modules:** Built modular React components improving UI delivery by 12%.

SKILLS

- **Technologies:**
 - **Programming:** Python, JavaScript (Node.js, React), SQL
 - **Web & Backend:** FastAPI, Django, Next.js, REST, GraphQL, Nest.js
 - **Databases:** PostgreSQL, MongoDB, Redis, MySQL
 - **Cloud & DevOps:** AWS, GCP, Docker, Jenkins, CI/CD
 - **AI & Data:** TensorFlow, Pandas, Hugging Face, Spark, Hadoop, LSTM, RAG, OpenAI API, NLP
- **Soft Skills:** Strategic Mindset, Collaboration, Ownership, Fast Learning, Communication, Critical Thinking
- **Languages:** English (C1), Urdu (Native), Punjabi (Native), French (A1)

PROJECTS

- **Askari Chatbot:** FastAPI, Python, OpenAI — AI chatbot using document embeddings and RAG for internal support.
- **Credit Butterfly:** Next.js, ChatGPT API — LLM-powered dashboard for financial risk profiling. (Live)
- **Academic Research Platform:** Next.js, NestJS — Portal with keyword-based academic content discovery. (Live)
- **LearnOSTeam:** Python, Django — STEM platform with NLP-enhanced curriculum tagging. (Live)
- **Judiciary Automation:** FastAPI, Python — Semantic search tool over legal documents using embeddings.
- **Sentiment Analysis:** TensorFlow, Spark — LSTM-based sentiment classifier on large text datasets. (GitHub)

EDUCATION

- **ECE - Ecole d'ingénieurs** Paris, France
Masters in Data Management & AI Jan 2025 – Present
- **National University of Computing and Emerging Sciences** Islamabad, Pakistan
Bachelors in Computer Science Aug 2016 – Feb 2021