Abdullah Jabbar

Associate Software Engineer

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EDUCATION

FAST-NUCES	Bachelor's in Computer Science	BSCS	*Sep 2021 – June 2025*

SUMMARY

Fresh graduate with hands-on experience in Python and actively building expertise in data-driven applications. Eager to build a career in Data Science or Software Engineering. Completed coursework in Web Programming, Data Science, Data Mining & Warehousing, NLP, Digital Image Processing, and Software Testing, providing both analytical and development exposure

EXPERIENCE

NetixSol Summer Stackers Internship	MERN Stack	*July 2025 – October 2025*

Completed a 3 months internship focused on full-stack development — built responsive frontend designs using Tailwind CSS, React, and Next.js, developed and integrated backend servers in Express and Nest.js, deployed frontend and backend servers on Vercel, implemented chatbot integration with LangGraph and Gemini APIs, and explored blockchain concepts, including Solidity programming, smart contract deployment on Testnets, and creation of crypto tokens and NFTs.

SKILLS

Languages:	TypeScript JavaScript C++ Python C SQL R HTML Tailwind CSS Solidity
Frameworks/Libs:	ReactJs NodeJs NextJs NestJs ExpressJs RESTful APIs Redux Tool Kit JWT Swagger Socket. IO LangGraph Playwright Jest Selenium Big Query
Developer Tools:	Github-Copilot MongoDB Postman Chrome-Dev Tools Vercel Oracle-DBMS Figma Knime Jupyter Git/Github Cisco-Packet-Tracer MS-Office Draw.io Canva.

CERTIFICATES

freeCodeCamp: Responsive Web Design	Verification-Link	*August 5, 2025*
Microsoft Office Specialist: Word 2016	Verification-Link	*November 16, 2020*
Microsoft Office Specialist: PowerPoint 2016	Verification-Link	*January 8, 2021*

PROJECTS

Flood Track

Flood Track is a web-based application that predicts floods (Pakistan only) with past data & realtime features from Google Earth Engine. Used React for frontend, Django for backend, MySQL for storing data, Random Forest Model for Predictions, Email Verification, Password Hashing and SQL injection prevention.

Shop.co – NextJs+NestJs   Live-Link

An Ecommerce shopping site Responsive to 4 screen sizes, has a dashboard for product management, has otp verification, OAuth logins through Github, Google and Discord. Stripe webhook for payment processing. Used Cloudinary for images. Frontend made with TypeScript, Tailwind CSS and NextJs (App Router). Backend made with TypeScript & NestJs.

Planer's Mint – BlockChain   Live-Link

Built a DeFi + NFT Dapp. Deployed smart contracts of ERC-20 Tokens (x3) and ERC-721 NFT collection on Kasplex Testnet. Integrated with NextJs frontend, used rtk query for state/data management.

Implemented multilingual support, MetaMask wallet connection, Swap DEX, Daily Claim Faucet, NFT sell & purchase functionalities.

AI-Powered Assignment checker   Live-Link

Web based Assignment checker where teachers can define assignments and rubric. System accepts batch uploads of PDF files. Used Gemini API for langGraph LLM call. Matches topic, word count, and content relevance. Has strict and loose checking mode. Handles LLM processing failures.

Smart Healthcare Assistant – LangGraph   Live-Link

Made a Healthcare store and integrated AI Chatbot in it. Users can tell their symptoms in natural language, AI processes the info and recommends related product available in DB. It has Text-to-Speech and Speech-to-Text functionalities.

Peers – Python

A Peer-to-Peer chatting application with a user-friendly Interface that allows clients to share text & documents using same local/public IP. Used PyQT5 for interface, Threads to run multiple processes from different files, Sockets & TCP protocol for networking.

Chess Bot – Python

Programmed a Rule-Based Chess Agent that predicts best moves, made eye-pleasing GUI using Pygame, implemented Alpha-Beta pruning, handcrafted positional-evaluation function, performs around ~1200 elo.

Web Vulnerability Scanner

Automatically Scans a webpage and identify vulnerabilities like: SQL Injection. Cross Site Scripting. Missing or Misconfigured Headers.

Potion Explosion Game – C++

A linux terminal-based multiplayer game that replicates real world potion explosion game. Converting whole scenario of game into logic. Used 2D-Array, Pipes, File handling and Console text-coloring.

Text Cleaner– Javascript

Web App that removes Emojis, Extra Spaces and Spacer-lines and special formatting from raw text. Provides cleaned text converted into desired format.

Web Scrappers

Made articles scrapers for sites: boursenews.com, geonews.com.

To-Do List Application

Made a To-Do list application using C++ as backend and WxWidgets frontend then packaged the app and its dependancies and made a windows installer for both 32-bit and 64-bit architectures.