

Nasreen Bibi

Aspiring Software Engineer (Full Stack & AI)

Computer Science graduate with hands-on skills in full-stack web development and Artificial Intelligence. I use React.js, Node.js, and Python to build APIs and strong backends. I also create machine learning models and data-driven tools. I am dedicated to combining software engineering with AI to build smart, real-world systems.

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EDUCATION

Namal University Mianwali , BS in Computer Science

Namal University Mianwali

Sep 2022 - Aug 2026 | 3.56/4.0

Courses

- Relevant Coursework:
Databases, Web Development, Cloud Computing, Natural Language Processing

PROJECTS

AI-powered Disaster Management System

Role

Tasks / Achievements

- Designed and developed an AI-powered Disaster Management System to automate emergency response workflows, including aid request routing, volunteer coordination, and real-time resource tracking.
- Built a system supporting data-driven decision-making, real-time monitoring, and crisis resource allocation efficiency for improved NGO operations.
- Tools Used: Angular, TypeScript, Node.js, Express.js, MongoDB (Mongoose), JWT Authentication, Python, Flask, Scikit-Learn

Real-Time Collaborative Workspace Notes System

Role

Tasks / Achievements

- Built a real-time collaborative notes application using MERN stack and Socket.IO, enabling multiple users to create, edit, and delete notes in shared workspaces.
- Implemented JWT authentication, WebSockets, and MongoDB, supporting real-time sync, presence tracking, typing indicators, and workspace-based updates.
- Tools Used: React (Vite), Node.js, Express.js, MongoDB, Socket.IO, JWT, Tailwind CSS, REST APIs, Mongoose

WORK EXPERIENCE

AI/ML Engineering Intern

DevelopersHub Corporation, Punjab

Aug 2024 - Oct 2024

Accomplishments / Tasks

- Developed and fine-tuned NLP models (BERT) and built end-to-end machine learning pipelines using Scikit-learn.
- Designed a context-aware chatbot using LangChain/RAG and worked on LLM-based applications with prompt engineering.

SKILLS

JavaScript

Tailwind CSS

Framer Motion

RESTful APIs

React.js

Node.js

Express.js

WebSockets

MongoDB

Python

Scikit-learn

Hugging Face Embeddings

ACHIEVEMENTS

National Skill Competency Test (NSCT)

HEC

Achieved 99.2 percentile in the National Skill Competency Test (NSCT) conducted by Higher Education Commission Pakistan, scoring 76/100 across core Computer Science subjects.

OneAI Hackathon

Speridian

Selected among the Top 10 teams in Speridian OneAI Hackathon 2025, contributing to an AI-driven solution while collaborating with a team to solve real-world problem statements under industry mentorship.

Publication

Associated with Namal University

Developed and evaluated machine learning models on 28,000+ protein sequences from the NCBI database, where the K-Nearest Neighbors (KNN) model achieved 98% accuracy in classifying SARS-CoV-2 structural proteins.

Apr 2026

LANGUAGES

English

Professional Working Proficiency

Urdu

Full Professional Proficiency

INTERESTS

Book Reading

Real-World System Design

Cloud Computing

Problem Solving

Backend Development