

Nelayn Abbas

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EDUCATION

National University of Computer and Emerging Sciences (FAST NUCES) <ul style="list-style-type: none">Bechler's of Sciences in Computer Science; GPA: 3.47	August 2021 - Present
Superior Group of Colleges <ul style="list-style-type: none">Intermediate in Computer Science; Percentile: 83%	April 2019 - June 2021

Honors and Awards

Dean's List <ul style="list-style-type: none">Achieved Dean's List recognition in Fall 2021, Spring 2022, and Fall 2024 for outstanding academic performance.	
International Collegiate Programming Contest <ul style="list-style-type: none">Participated in ICPC 24-25 an annual multi-tiered competitive programming competition.	September 2024
FAST Problem-Solving Competition <ul style="list-style-type: none">Top 3 in FPSC. Solved about 5+ hard problems and finished in top 3, among 20+ teams.	March 2023

SKILLS SUMMARY

• Languages:	C++, C#, Python, SQL, JavaScript, PHP, SQL
• Frameworks:	Flask, React.js, Express.js, FAST API, TensorFlow, Pytorch, LangChain
• Tools:	Git, XAMPP, Postman, Pandas, OpenCV, YOLO, Ollama, llama.cpp, Stripe API, ChromaDB, SQLite
• Platforms:	Ubuntu, MongoDB, MySQL, RAG, XAMPP/WAMP

WORK EXPERIENCE

Full Stack Developer Part Time Freelance Agency <ul style="list-style-type: none">Developed and deployed multiple AI-integrated web applications using Flask, React.js, SQLite, and MongoDB, enhancing user experience and automation.Implemented AI-driven models for NLP, image processing, and recommendation systems, leveraging TensorFlow, PyTorch, and LangChain. Also designed and maintained secure REST APIs.	September 24 - Present
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PROJECTS

Wisdom Wave LLM based Web App LINK <ul style="list-style-type: none">AI platform delivering personalized, textbook-based answers to enhance learning and collaboration.Integrated llama 7B through Ollama for efficient LLM handling, using React.js frontend, Flask backend, ChromaDB for vector storage, and cloud databases like MongoDBImplemented RAG with LangChain and llama.cpp to analyze the textbooks and past papers.	August 24 - Present
Career Connect AI Powered Job Portal LINK <ul style="list-style-type: none">Developed an AI-driven job portal that enhances job matching accuracy using NLP and Machine Learning techniques.Designed and a Flask and React.js-based web application, integrating MongoDB and SQLite for efficient data storage.Built custom recommendation algorithms that analyze job descriptions and resumes, improving job relevance by 30%.	January 25 - March 2025
TrustSitter Secure Babysitter & Pet Sitter Platform LINK <ul style="list-style-type: none">Developed an AI-powered platform to connect babysitters, pet sitters, and home sitters with clients, ensuring trust and security.Designed a Flask and React.js-based web application with an intuitive UI/UX, enhancing user experience and engagement.Implemented background verification and rating systems to build trust and transparency between service providers and clients.Optimized the backend with MongoDB and SQLite, reducing search latency and improving response times.	August 25 - January 2025
Secure Payment Gateway LINK <ul style="list-style-type: none">Engineered a secure payment gateway system with real-time fraud detection, IP logging, and secure transaction tracking, ensuring high security and compliance.Developed the backend in PHP with Stripe API integration, utilizing MySQL for efficient data storage and management.Utilized XAMPP/WAMP for local development and integrated Stripe Radar to detect and prevent fraudulent activities.	July 23- November 2023

Academic Experience

Teaching Assistant (TA) <ul style="list-style-type: none">Provided academic support in Programming Fundamentals, OOP, Data Structures, Algorithms, and Artificial Intelligence, assisting 600+ students and 10+ faculty members.	August 2022 - Present
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Volunteer Experience

FCAP (FAST Club of App Development & Programming) <ul style="list-style-type: none">President of Society (Leading around 100+ students currently)	March 2023 - Present
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