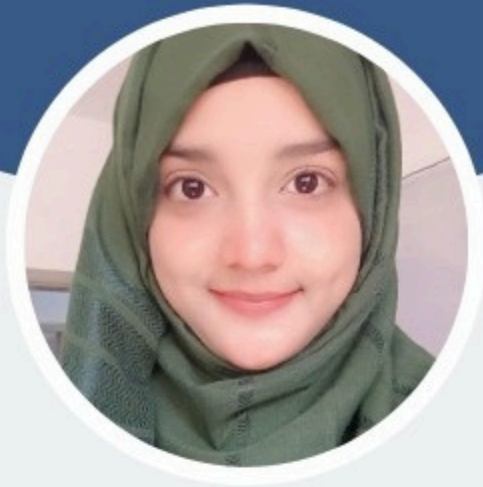# Nisha Shahzad

Software Engineer

Personal details

Nisha Shahzad

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plot # L-1322, sector 5/D, surjani town, karachi.
07511 Karachi

linkedin.com/in/nisha-shahzad-ab0303291

github.com/Nishashahzad

Skills

HTML/CSS, JavaScript (Advanced) ● ● ● ● ●

ReactJS, jQuery, Bootstrap ● ● ● ● ●

Node.js, Python, PHP, C++ (Advanced) ● ● ● ● ●

MySQL (Advanced), REST API Integration ● ● ● ● ●

Chatbot Development (NLP, Intent Recognition) ● ● ● ● ●

Languages

Urdu ● ● ● ● ●

English ● ● ● ● ●

Education

Metric in the faculty of Computer Science **2018**
Board of Secondary Education, Karachi

Intermediate in the faculty of Pre-Engineering **2020**
Board of Intermediate Education, Karachi

Bachelor in Software Engineering **2025**
Virtual University Of Pakistan, Karachi

Employment

Software Developer **2024 - Present**
Digitaloggia, Karachi
MAINTENANCE & OPTIMIZATION
- **Code Refactoring:** Improved legacy systems in **C++/Python** for better performance and readability.
- **Bug Fixing:** Resolved critical issues in web apps (**JavaScript, ReactJS**) and backend services (**Node.js, PHP**).
- **Performance Tuning:** Optimized database queries (**MySQL**) and API responses, reducing load times by **30%**.
- **Proactive Updates:** Maintained and upgraded **e-commerce platforms** (Shopify, Magento) for security and scalability.

Software developer (Contractual) **2023 - 2024**
Prodigy Media, Philippines, Manila
AI-Powered Solutions
- Developed **AI chatbots** to automate support tasks (30% workload reduction)
- Engineered **email automation systems** to cut response times
- Implemented **speech-to-text** features using ReactJS

AI Chatbot Development:
• Built ChatGPT-like chatbots using **Python & NLP**, cutting support workload **30%**.
• Enabled human-like conversations via **intent recognition & dynamic responses**.
• Integrated with **APIs & databases** for real-time data.
• Optimized with **ML tuning & user feedback**.

Software Developer **2022 - 2023**
Amethyst Developer, Faisalabad
Website Development & Management:
- Built responsive websites using **HTML, CSS, JavaScript, and ReactJS**
- Managed content updates and technical maintenance

Full-Stack Applications
- Designed **real estate portals** with **PHP, MySQL, JavaScript, and ReactJS**
- Created interactive web apps (e.g., **Hangman Game, Flash Card Q/A**)
- Integrated **REST APIs** for dynamic data handling

Database & Backend Systems
- Structured **MySQL databases** for scalable applications
- Developed backend logic using **Node.js, Python, C++**
- Fixed bugs and improved code efficiency through reviews

Technical Problem-Solving
- Debugged and resolved critical website issues
- Analyzed requirements to deliver tailored software solutions
- Automated workflows (e.g., **Python email systems**)

Hobbies

- Sketching
- Coding
- Teaching Programming Languages
- Shopping
- Yoga

Projects

- github.com/Nishashahzad/Automated-email-system-python
- github.com/Nishashahzad/weather-forecast-nodejs
- github.com/Nishashahzad/speech-recognition-react-app
- github.com/Nishashahzad/heartbeat-detection-python
- github.com/Nishashahzad/Hangman-game
- github.com/Nishashahzad/Tic-Tac-Toe-python
- github.com/Nishashahzad/BlackJack-React-Python