

Nirush Man Shrestha

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GitHub: github.com/ByteNirush | Portfolio: nirushmanshrestha.com.np

Objective

Aspiring Software Engineer with a strong foundation in Python, Django, JavaScript, and SQL. Passionate about building scalable, maintainable web applications and contributing to high-quality software solutions. Eager to apply problem-solving skills and technical expertise in a collaborative, fast-paced environment.

Technical Skills

- **Programming:** Python (Django), Java, Golang, JavaScript (React.js, Vue.js)
- **Web Development:** HTML, CSS, Tailwind, Bootstrap
- **Databases:** MySQL, SQLite, Firebase, NoSQL
- **Tools & DevOps:** Git, GitHub, Docker, AWS
- **Soft Skills:** Problem-solving, Communication, Teamwork, Agile Methodology

Relevant Projects

Self-Care Web App

- **Tech Stack:** Django, Firebase, HTML, CSS, JavaScript
- Developed a full-stack self-care platform with mood tracking, habit-building, and motivational features
- Integrated Firebase for user authentication and real-time data storage
- Designed a responsive, accessible UI ensuring seamless cross-device experience

AutoLearn.AI - Intelligent Tutoring System

- **Tech Stack:** Django, PostgreSQL, Tailwind CSS, JavaScript, OpenAI GPT, Google Translate API
- Developed a web-based tutoring platform with AI-driven chat, voice-based tutoring, and multilingual support
- Integrated LLMs and reinforcement learning for personalized, adaptive learning experiences
- Built a responsive UI and admin panel for progress tracking and content management

Taxi Booking System

- **Tech Stack:** Python, Tkinter, SQLite
- Designed a desktop-based taxi booking system with intuitive UI and efficient database management
- Implemented features including user registration, ride booking, fare calculation, and trip history

Certifications

- **Scientific Computing with Python**, freeCodeCamp — Nov 2024
- **Data Analysis with Python**, freeCodeCamp — Nov 2024
- **Responsive Web Design**, freeCodeCamp — Jul 2024
- **Career Essentials in Software Development**, Microsoft & LinkedIn — Feb 2025
- **Career Essentials in GitHub**, LinkedIn Professional Certificate — Jan 2025
- **Python Essentials 1**, Cisco Networking Academy — Feb 2025
- **AWS Educate: Getting Started with Databases**, Amazon — May 2025
- **AWS Academy Graduate: Cloud Architecting**, AWS Academy — Jun 2025

Education

B.Sc. (Hons) Computer Science & Software Engineering

University of Bedfordshire, (Sep 2024 - Expected 2027)

Achievements

- 2nd Runner-Up, Self-Care Hackathon 2025: Developed and deployed a full-stack Django application with innovative self-care features within 48 hours