

Priyanshu Tiwari

priyanshutiwari2022@vitbhopal.ac.in
linkedin.com/in/priyanshu-tiwari
Kolkata, West Bengal, India

+91 6290458936
github.com/priyanshu0604

Summary

Computer Science undergraduate passionate about building innovative and impactful software solutions. Specializes in full-stack development, machine learning, and cybersecurity, with hands-on experience developing scalable, secure applications using Flask, Next.js, and SQL-based stacks. Proficient in C/C++, Python, Java, JavaScript, and modern web frameworks. Strong foundation in system design and software architecture. Currently seeking a Software Engineer role to contribute technical expertise, deliver high-quality software, and collaborate with cross-functional teams.

Education

VIT Bhopal University — B.Tech in Computer Science and Engineering
Specialization: Cybersecurity and Digital Forensics

2022 – 2026
CGPA: **8.30/10.0**

Technical Skills

Languages: C++, Python, Java, JavaScript, SQL, HTML/CSS

Frameworks: Flask, React.js, Next.js, Express.js, Node.js

Tools: Git, Postman, MongoDB, MySQL, SQLAlchemy, Linux, VS Code

Domains: Backend Engineering, Distributed Systems, REST APIs, Machine Learning, Cybersecurity

Projects

SMS Spam Detector

GitHub

Python, Scikit-learn, NLP

- Built a machine learning pipeline using TF-IDF and Naive Bayes; achieved 95% accuracy on a dataset of 5.5K+ SMS messages.
- Performed preprocessing with stemming, vectorization, and exploratory data analysis for improved feature extraction.

Donna Voice Assistant

GitHub

Python, Google Speech API

- Developed an offline voice assistant supporting 20+ platform-specific commands using command parsing and NLP.
- Integrated Wikipedia API and speech recognition modules for natural query handling.

Login Brute Forcer

GitHub

Python, Cybersecurity

- Engineered a CLI tool for brute force testing over HTTP POST with real-time logging and session timeout management.
- Implemented customizable headers and concurrency via thread pooling for improved efficiency.

BlogBridge Platform

GitHub

Flask, SQLAlchemy, MySQL, Jinja2

- Built a role-based blogging platform with secure user authentication and admin dashboard.
- Implemented session handling, input validation, and full CRUD logic for user-generated content.

DeepSeek AI Clone

GitHub

Next.js, React, Tailwind CSS

- Cloned DeepSeek AI's landing page with pixel-perfect layout, dynamic state management, and responsiveness.
- Used modular React components and deployed using Vercel for CI/CD simulation.

Certifications

Google Cybersecurity Certificate (2025)
Ethical Hacking – Udemy (2025)
Python 100 Days Bootcamp (2024)

IBM Cloud Solutions Architect (2025)
MongoDB & Node.js Admin Track (2025)

Leadership & Activities

- **Team Captain** – VIT Bhopal Football and Cricket Teams
- **Yoga Regional Representative** – Kendriya Vidyalaya

Languages

English (Fluent), Hindi (Native)