Neeraj Kumar Prajapati

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Education

	Year	Educational Institution	CGPA/Percentage
B.Tech (CSE)	Oct 2022-Ongoing	VIT Bhopal University, Sehore	8.60
Class 12th (CBSE)	July 2021	Vishnu Bhagwan Public School, Prayagraj	94.2%
Class 10th (CBSE)	May 2019	Vishnu Bhagwan Public School, Prayagraj	91%

Relevant Coursework

- Operating Systems
- Algorithm Analysis
- Cloud Computing
- Computer Networks
- Data Structures
- Marketing Analytics
- Database Management
- Artificial Intelligence
- Computer Architecture

Certifications

- IBM Generative AI [2025]
- IBM Blockchain Foundation Developer [2025]
- NPTEL Marketing Analytics   [2025]
- NPTEL Cloud Computing   [2024]

Projects

DNS Server

Language: C++   Tool: UDP, Sockets
- Engineered a DNS server from the ground up, mastering low-level concepts such as DNS packet construction, record parsing, and robust UDP-based networking.
- Crafted high-performance query handling to resolve domain names to IP addresses, showcasing deep proficiency in network protocols and backend systems.

Secure College Vote System

Language: HTML, CSS, JavaScript, Node.js   Tool: Node.js (built-in modules), File System
- Created a fully functional online voting system with a modern UI and secure backend, handling real-time result updates and user authentication.
- Leveraged native Node.js modules to enable vote encryption and tamper-proof, file-driven data storage for verifiable transparency.

Finance Assistance (Machine Learning)

Language: Python   Tool: Streamlit
- Developed a user-friendly web application that leverages ML to extract and highlight crucial terms from complex insurance and legal documents.
- Designed intelligent text analysis workflows to empower users with clear, scenario-specific insights—transforming legalese into actionable information.

Technical Skills

Languages: C, C++, Python, JavaScript, HTML, CSS
Developer Tools: VS Code, Git, Node.js, Streamlit, Linux, IBM Cloud, AWS
Frameworks/Technologies: UDP Sockets, Machine Learning (scikit-learn), File System, Blockchain Basics, Google OAuth
Familiar With: Cloud Platforms, Data Visualization (Matplotlib, Streamlit), Linux

Achievements & Interests

- **Competitive Programming:** Maintained a Codeforces rating of 800+ and solved over 80 algorithmic problems, showcasing advanced problem-solving skills and a strong foundation in algorithms and data structures.
- **Core Technical Interests:** Passionate about Operating Systems, Computer Networks, and system-level programming; regularly explore and implement solutions related to these foundational CS domains.