

Neeraj Kumar Prajapati

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Education

B.Tech. in Computer Science and Engineering 2022 – Expected 2026
VIT Bhopal University, Bhopal CGPA: 8.62 / 10

Class 12th – CBSE Board 2021
Vishnu Bhagwan Public School, Prayagraj Percentage: 94.2%

Class 10th – CBSE Board 2019
Vishnu Bhagwan Public School, Prayagraj Percentage: 91%

Projects

DNS Server | C++, UDP, Sockets Jan 2025

- Designed and deployed a DNS server supporting over 5,000 queries/sec, efficiently handling packet construction, DNS record parsing, and UDP networking.
- Achieved a 40%+ faster quer resolution compared to baseline, reducing latency and improving throughput in a simulated LAN environment.
- Maintained sustained domain-to-IP mapping accuracy with under 1% error-rate during continuous operation for 48+ hours.

Finance Assistance (Machine Learning) | Python, Streamlit Aug 2024

- Created an ML-powered web application extracting 98% of essential terms from complex insurance and legal documents to aid user comprehension.
- Reduced manual document review time by 70% through scenari-specific key phrase highlighting and actionable insights.
- Incorporated NLP techniques for intelligent recommendations, receiving a 4.2/5 user satisfaction rating in pilot evaluations.

Secure College Vote System | HTML, CSS, JS, Node.js May 2024

- Developed a secure online voting platform with a modern UI, handling 500+ concurrent users with real-time result updates and user authentication.
- Leveraged Node.js built-in modules for vote encryption and tamper-proof file-based data storage, ensuring **end-to-end election integrity**.
- Enabled verifiable audit trails and transparent election monitoring with zero security incidents in user testing.

Extra-curricular

- Linux Club** Jan 2023 – Dec 2023
- Hosted weekly workshops on Linux fundamentals and command-line tools.
 - Guided members through hands-on labs covering shell scripting and system administration.
 - Coordinated group projects to set up and maintain Linux servers for college clubs.

Additional

Technical Skills: Software Development Life Cycle (SDLC), Python, C, C++, JavaScript, AWS, Streamlit, Node.js, Docker, Postman, Google OAuth, REST APIs, Machine Learning.

Achievements:

- Achieved Codeforces rating 850+ and solved over 100+ algorithmic problems including advanced data structures and optimizations.
- Passionate about Operating Systems, Computer Networks, System Architecture, and Cloud Computing.

Certifications & Training: Oracle Data Science, IBM Gen AI, IBM Blockchain

Languages: Fluent in Hindi, English