Prem Kumar Yadav

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🔗 LinkedIn | 💻 GitHub | 🌐 Portfolio

SUMMERY:

Aspiring **Software Developer** skilled in **Python, C++, Java,** and **JavaScript**, with expertise in **Machine Learning, Data Science**, and **Full-Stack Web Development**. Proficient in building scalable applications, optimizing algorithms, and integrating REST APIs. Strong foundation in **state management, performance optimization**, and **database management**. Passionate about **technology, innovation,** and **continuous learning,** with a keen interest in **Generative AI, Agentic AI**, and **software optimization**.

EDUCATION:

1. **Master of Computer Applications** – Data Science & Artificial Intelligence (**MCA-DS&AI**)
   Babu Banarasi Das University, Lucknow | Expected: 2025
   CGPA: 8.79 / 10
2. **Bachelor of Computer Applications** (BCA)
   University of Lucknow | Completed: 2023
   Percentage: 80.64%
3. **Senior Secondary** (12th), U.P. Board
   C.R.T.S.V.M.I.C., Siswa Bazar, Maharajganj | Completed: 2020
   Percentage: 70.20%
4. **High School** (10th), U.P. Board
   S.I.C.P., Nebua Raiganj, Kushinagar | Completed: 2018
   Percentage: 78.33%

TECHNICAL SKILLS:

Languages: Python, JavaScript, C++, JAVA, HTML/CSS
AI/ML Tools: Scikit-learn, PyTorch (basic), Pandas, NumPy, Matplotlib, Seaborn.
Web Development: React.js, Node.js, Express.js, MongoDB, SQL.
Other Tools: Git, GitHub, VS Code, Postman, Jupyter Notebooks, Docker (basic)
Platforms: Windows, Linux, Google Colab

PROJECTS:

1. Debate Assistant AI.
• Developed a smart debate assistant that supports voice and text interaction on Pollution.
• Integrated speech-to-text, NLP, fact-checking with Wikipedia/news APIs, and text-to-speech features.

2. Hospital Management Application.
• In the fast-paced world of healthcare, its vital to manage hospital tasks effectively to ensure top-notch patient care. React JS, MongoDB, Express, Node JS, MERN Stack.

3. Construction Web Application.
• Created a responsive web application for managing construction project tasks, materials, and site reports.
• Implemented user authentication, role-based access (admin/engineer/labour), and project dashboards.
• Built using MERN Stack (MongoDB, Express.js, React.js, Node.js) and Tailwind CSS.

INTERNSHIP / TRAINING:

1. **Front-End Developer Intern**
   Sri Balaji Infotech, Lucknow | August 2022 – November 2022
   Developed user-friendly interfaces for an E-Learning platform using HTML, CSS, and JavaScript.
   - Built a "LEARN SKILLS" web application using Python and Django.
   - Focused on intuitive UI/UX and responsive layouts for education modules.

2. **Web Development Intern**
   Aikam India, Lucknow | March 2023 – May 2023
   Developed a Web Content Management System (WCMS) using Python and Django.
   - Implemented responsive design techniques for improved accessibility on mobile and desktop.
   - Collaborated with backend teams to ensure dynamic content rendering and CMS scalability.

CERTIFICATION AND ACADEMIC ACHIEVEMENT:
   - MERN Full Stack Development – EduNet & EY
   - Python for Data Science – Great Learning
   - Web Development – Aikam India
   - Python with Django – Sri Balaji Infotech
   - CSS Assessment – HackerRank
   - One-day Workshop on Cyber Security Awareness Program – Organized by Innovative Ideas Infotech Society in association with AKTU & UP Police (October 26, 2021)