Prem Kumar Yadav

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Professional Summary

MCA (Data Science & AI) graduate with experience in full-stack web development and applied machine learning. Skilled in Python, MERN, and Django, with proven ability to design and deploy scalable applications. Experienced in integrating AI/ML models, building intelligent assistants, and creating user-friendly web solutions. Seeking a Software Developer or AI/ML Engineer role to apply technical expertise and problem-solving skills.

Technical Skills

- **Languages & Frameworks:** Python, JavaScript, Java, React.js, Node.js, Express.js, Django, FastAPI, Flask, Tailwind CSS
- **Databases:** MongoDB, SQL, SQLite, Vector Databases
- **Machine Learning:** Regression, Classification, Clustering, Decision Trees, Ensemble Methods
- **Tools & Platforms:** Git, GitHub, Docker (basic), AWS (basic), Postman, VS Code, Jupyter, Power BI, Excel
- **Visualization:** Matplotlib, Seaborn

Experience

1. Data Science & AI/ML Internship Trainee | IBM–BBDU | February– May 2025
   Completed a 4-month industry-aligned training program in Data Science and Machine Learning, conducted by Babu Banarasi Das University in collaboration with IBM.
2. MERN Full Stack Internship | EduNet Foundation, EY &AICTE | December 2024 – January 2025
   Built a responsive CMS using Django with mobile-friendly UI.
3. Software Engineer Internship Trainee | Aikam India, Lucknow | March 2023 – May 2023
   Built a responsive CMS using Django with mobile-friendly UI.
4. Summer Internship Trainee | Sri Balaji Infotech, Lucknow | August 2022 – November 2022
   Contributed to "Learn Skills" platform using Python and Django.

Projects

1. **Debate Assistant AI | Python, FastAPI, Hugging Face, React.js**
   Built a bilingual (English & Hindi) AI assistant focused on pollution topics with voice/text interaction.
2. **Construction Management Web App | MERN, Tailwind CSS**
   Developed a role-based system for project task, material, and site report management.
   Implemented dashboards for Admin, Engineers, and Workers, improving workflow tracking.

Certifications | https://www.premkyadav.xyz/certificates

- Python for Data Science – Great Learning & IBM
- Machine Learning with Python– IBM
- Artificial Intelligence Analyst– IBM
- MERN Full Stack Development – EduNet & EY
- Python with Django – Sri Balaji Infotech
- Web Development – Aikam India

Education

- MCA – Data Science & AI | BBDU, Lucknow | 2025 | 8.68 CGPA
- BCA | University of Lucknow | 2023 | 80.64%
- 12th | 70.2%
- 10th | 78.3%