Saumy Pandey

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Technical Skills

Languages: Python, JavaScript, C, SQL
Frontend: HTML, CSS, React, Tailwind
Backend: Express, Node.js
Databases: MySQL, MongoDB
Tools: Git, GitHub, Postman
DevOps: Linux, Shell scripting, Docker, Kubernetes

Education

Shree L.R. Tiwari College of Engineering	Mira-Road
Bachelor of Technology in Computer Science (7.4 CGPA)	*July. 2023 – May 2027*
Patkar College	Goregaon
Higher Secondary Education (75%)	*July. 2021 – May 2023*

Projects

Missing Person Management System | *Javascript, MySQL, React, Tailwind* **–** Developed a centralized platform to manage missing person reports
- Built secure **PHP & MySQL backend APIs** for user registration, login, reporting, and searching missing persons.
- Integrated a **search and filter mechanism** to quickly retrieve cases and details from the database.
- Drive Project Link

AI-Powered Crop Yield Prediction and Optimization | React, *Typescript, Machine Learning*
- Designed and deployed a **machine learning model** leveraging regression and optimization techniques to predict crop yield.
- Conducted pilot testing with **50+ farmers**, achieving an accuracy improvement of **20–25%** in yield forecasts and reducing decision-making time.
- Designed the application in core Python with **AIML** for proper prediction.
- Github Project Link

Notes Sharing Application | *JavaScript, HTML, CSS*
- Project simulating a standard workflow with modern tech stack.
- Developed core modules including notes sharing, uploading notes, and viewing notes.
- Implemented authentication and validation services.
- Github Project Link

Certificates

GeeksforGeeks Full Stack Developer	2025
Saylor Academy Machine Learning Fundamentals	2025
TATA Forage GenAI Powered Data Analytics	2025