BHUPESH INDURKAR

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Summary

Enthusiastic and detail-oriented Software Developer with experience in designing, developing, and deploying scalable applications. Skilled in Python, Java, React.js, MySQL, and Flask/Django, with expertise in full-stack development, cloud deployment (AWS), and Agile methodologies. Experienced in real-time projects such as Energy Consumption Prediction & Optimization and Smart Classroom Management System, showcasing strong problem-solving skills and teamwork.

Skills

- Programming: Python, Java, C++
- Web Development: HTML, CSS,
- Database: MySQL,
- Tools: Git, GitHub,
- Problem-Solving & Debugging

Experience:

Software Engineer | Infosys Ltd., Nagpur, India
Aug 2025 – Present

Project: Smart Energy Consumption Prediction & Optimization

- Designed system architecture to handle real-time data collection from IoT sensors and built backend services in Python (Flask/Django) with REST APIs.
- Integrated MQTT brokers and WebSockets for continuous data streaming.
- Built machine learning models to predict energy consumption with 85–90% accuracy.
- Developed interactive dashboards using React.js for data visualization.
- Deployed application on AWS with Docker and CI/CD pipelines.
- Reduced energy wastage by 15–20% during pilot testing.

Project: Smart Classroom Management System

- Built a desktop + web-based application for managing student data, attendance, and performance reports.
- Designed relational schema in SQLite/MySQL for secure storage of records.
- Implemented QR code attendance system, reducing manual errors by 60%.
- Created analytics and reporting modules with PDF/Excel export.
- Deployed web application on AWS for live usage.

Education

Bachelor of Science, Information Technology
Vikas High School, Pauni

Certifications

- AWS Cloud Practitioner – Amazon Web Services
- Credly Badge: [https://www.credly.com/badges/1b80c6c6-…]