Bobby Kumar

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Summary

Electrical & Electronics Engineering graduate currently working as Junior Manager – IT Operations with hands-on experience in AMISP systems (HES & MDMS), Python-based automation, and data analysis. Recognized with the **Innovation Award** and **Dream Team Award** for improving operational efficiency and collaborative project delivery. Strong foundation in electrical systems, control engineering, and cloud-based utility platforms. Has also worked over web development.

Skills

- **Python Programming** – Proficient in Python for scripting, problem-solving, and DSA
- **Data Analysis & Automation** – Data analysis with Pandas and NumPy, Excel automation, web task automation, and report generation using Python libraries such as Selenium
- **Electrical & Control Systems** – Knowledge of electrical machines, power systems, analog/digital electronics, and MATLAB-based control system simulations
- **HES & MDMS** – Familiar with cloud-based AMISP systems, Head-End Systems, and Meter Data Management Systems, API testing, Software integration.
- **Web Development** – Built personal and professional web pages using HTML, CSS, JS, and Python's Flask (GET & POST methods), with AI tools like Replit
- **Languages** – English, Hindi

Experience:

Intellismart Infrastructure Pvt. Ltd.
Junior Manager – IT-Operations (Jr. Manager IT-Ops) | Surat, Gujarat | 2024 – Present

- Work as part of the IT Operations team managing cloud-based AMISP systems (HES & MDMS).
- Received the **Innovation Award** for developing innovative solutions for operational efficiency.
- Automate data collection, report generation, and analysis using Python scripts.
- Collaborate with cross-functional teams to troubleshoot and resolve system issues.
- Assist in maintaining data integrity and security in meter data management systems.
- Participate in testing and deployment of software updates and enhancements.

Microzensys Pvt. Ltd.
Web Development Intern (Hybrid) | Dec 2022 – Mar 2023

- Developed responsive websites using HTML, CSS, JavaScript, and Bootstrap.

Education

National Institute of Technology Sikkim — B.Tech in Electrical and Electronics Engineering
Ravangla, Sikkim | 2020 – 2024 | CGPA: 7.86 / 10

Eklavya Educational Complex — Intermediate (12th)
Patna, Bihar | 2017 – 2019 | Percentage: 75%

Projects

Solar Power Optimization & Grid Integration:
Implemented the Perturb and Observe algorithm to maximize solar module output, powering a hydraulic pump.

IoT-based Crop Management
Implemented real-time crop monitoring using IoT data, cloud storage, and intrusion detection.

Consumer Data Web App
Built a Flask backend with MongoDB; deployed the app for managing data in a production.

Interests

Playing Kalimba, Cooking, Reading, Bike Riding, and Cricket.