# JOY BISWAS

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## SUMMARY

Innovative and results-driven Data Science & AI and ML enthusiast with hands-on experience building real-world solutions across software and hardware domains — including an AI-powered Resume Analyzer and a solar-powered Wi-Fi system. Skilled in Python, BERT, React, Flask, and IoT technologies. Adept at merging ML with web and embedded systems to solve practical problems. Passionate about intelligent systems, open-source collaboration, and continuous learning.

## PROJECT

### Resume Analyzer with Leaderboard system

github.com/JoyBiswas1403/resume-analyzerjbz • January 2025 - April 2025

- Engineered a Resume Analyzer with dynamic leaderboard capabilities, leveraging BERT for semantic text comparisons, which increased candidate-job match accuracy by 35% and reduced manual screening time by 50% for over 5,000 resumes processed monthly; utilized Python, Flask, React, PyMuPDF, MongoDB, and TailwindCSS to deliver end-to-end functionality.

### Solar Powered WIFI

October 2024 - April 2025

- Engineered a solar-powered WiFi solution by integrating renewable energy systems with wireless networking hardware, resulting in continuous internet connectivity in remote locations and minimizing operational interruptions.

## EDUCATION

### Int. MTech in Computation & Data Science

VIT Bhopal University • 2022-2027

## CERTIFICATIONS

### Software Engineering Job Simulation

Forage • 2025

### Machine Learning Specialization

Coursera • 2025

### Google Data Analytics Professional Certificate

Coursera • 2025

### Machine Learning with Python

Coursera • 2024

### IBM AI Engineering

Coursera • 2024

## SKILLS

*Languages:* Python, C++, Java,JavaScript, HTML, CSS
*ML/AI:* Scikit-learn, TensorFlow, BERT, Pandas, NumPy, NLP
*Web Development:* React.js, Flask, REST APIs, MongoDB, TailwindCSS
*Tools:* Git, GitHub, Postman, Google Colab, VS Code
*Embedded Systems:* Arduino, ESP8266, TP4056, Solar Circuit Design