JOY BISWAS

✉ bjoy1403@gmail.com ☐ +91-7393921203 in in/joy-biswas-257212345

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.

EXPERIENCE

AIML Intern
Elevate Labs   **August 2025 - Present, Remote**

· Participated in the design and optimization of machine learning models to support cognitive training products using Python, TensorFlow, and Scikit-learn.
· Engineered machine learning pipelines to support the analysis and evaluation of user engagement data, elevating the effectiveness of cognitive training applications.
· Devised automated data preprocessing workflows to cleanse and structure raw input from mobile applications, enhancing the accuracy of training datasets for cognitive assessment models.

PROJECT

Resume Analyzer with Leaderboard system
github.com/JoyBiswas1403/resume-analyzerjbz

· 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 Wi-Fi solution by integrating renewable energy systems with wireless networking hardware, resulting in continuous internet connectivity in remote locations and minimizing operational interruptions.
· Devised remote monitoring protocols for solar-powered Wi-Fi deployments, enabling proactive maintenance and ensuring optimal system uptime across underserved regions.

EDUCATION

Int. MTech in Computation & Data Science
VIT Bhopal University · Bhopal · 2022-2027

CERTIFICATIONS

Hewlett Packard Enterprise 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