

SHYAMLI RUPAM

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🌐 [shyamli-rupam](https://www.linkedin.com/in/shyamli-rupam)

EDUCATION

Bachelor of Technology (B.Tech.) in Electronics and Communication Engineering

National Institute Of Technology, Jamshedpur
CGPA: 8.58

Jamshedpur, Jharkhand
Expected 2026

12th Grade

M.K. D.A.V. Public School,Daltonganj
Percentage: 95.2%

Daltonganj, Jharkhand
2019-2021

10th Grade

Guru Gobind Singh Public School,Daltonganj
Percentage: 93.2%

Daltonganj, Jharkhand
Till 2019

SKILLS

Programming Languages

C, C++, Python, Java

CS Fundamentals

Data Structures,Algorithms,OOPs,OS,DBMS,CN,System Design

ML, Deep Learning & LLM Frameworks

Pandas,Scikit-learn,Matplotlib, Seaborn,Transformers,LangChain

Tools and Environment

Git, Jupyter Notebook, Kaggle, Google Colab, Anaconda, Arduino

EXPERIENCE

Software Engineer Intern

May 2025 - Jul 2025

UBS

Pune, India

- Built an automated system to match resumes(PDF) with job descriptions(text) using NLP and ML techniques.
- Implemented Logistic Regression and Cosine Similarity to compute skill match scores, with threshold of 0.8 for relevance.
- Enabled bulk classification and ranking of resumes, reducing manual screening efforts by upto 1 FTE per 100 job postings.
- Designed an interactive UI using Streamlit for real-time input, matching and visualization of results.

PROJECTS

Knowledge Vault -UBS Internal Hackathon Architected the core backend logic and data pipeline for an error resolution platform, designing a semantic search system to connect user errors to a knowledge base of over 1000 video solutions. Designed and implemented a two-stage hybrid search model combining high-speed fuzzy matching with Rapidfuzz for instant keyword retrieval, and a BERT-based semantic layer using Sentence Transformer to handle nuanced queries through cosine similarity and ranking.

Disease Prediction System Developed a PySpark-based backend and Streamlit frontend for real-time disease prediction. Applied KMeans clustering and ALS algorithm to generate health recommendations. Normalized and encoded datasets using StringIndexer and MinMaxScaler. Presented at Google Girl Hackathon 2024.

ACHIEVEMENTS

- Semifinalist in Google Girl Hackathon 2024.
- Selected for MSME Women's Hackathon 5.0 at Zonal level.
- Contributed to GSSoC'24, successfully worked on six projects in the ML Nexus repository,which improved the efficiency by 3%.
- Current vice president of NSS, NIT Jamshedpur.