






Amisha Sukla

 suklaamisha@gmail.com  9861721103  Berhampur, Odisha  LinkedIn  GitHub

 HackerRank  CodeChef





PROFESSIONAL SUMMARY

Passionate AI/ML practitioner with hands-on experience in Python, Java, and Data Science, skilled in data preprocessing, predictive modeling, and deploying real-world AI solutions. Proficient in tools like Pandas, NumPy, and Scikit-learn, with a strong foundation in large-scale data analysis and model evaluation. Solved 100+ coding problems on HackerRank and CodeChef, reflecting strong algorithmic and analytical thinking. Deeply motivated by AI/ML research and innovation, with a focus on developing data-driven solutions that drive impact and smarter decision-making.

SKILLS

- Languages & Tools: Python, SQL, HTML, CSS, JAVASCRIPT
 - Tools & OS: Python, Jupyter Notebook, Git, VS Code, IntelliJ IDEA, MySQL, Linux
- Libraries & Tools: Pandas, NumPy, Matplotlib, Scikit-learn, OpenCV, REST APIs, Postman
 - Soft Skills: Communication, Teamwork, Problem-Solving, Time Management, Adaptability, Critical Thinking

PROJECTS

- Medical Cost Prediction** 
- Developed a machine learning model to predict medical costs using patient demographics and health-related features.
 - Utilized Python tools such as Pandas, NumPy, Scikit-learn, and Matplotlib for data preprocessing, visualization, and analysis.
 - Applied regression algorithms like Linear Regression and Random Forest, achieving over 80% accuracy in cost prediction.
- Health Assist Chatbot** 
- Developed a health chatbot using Streamlit to deliver accurate medical advice based on symptoms and medical history.
 - Implemented machine learning models to analyze user input and generate personalized health recommendations.
 - Created an interactive, user-friendly interface to enhance accessibility and engagement.
- Emotion and Risk aware Fake news Detection system with Manipulation Risk Scoring**
- Built a hybrid fake news detection system combining textual, emotional, and psychological cues using DistilBERT for classification, RoBERTa for emotion detection, and TextBlob for subjectivity analysis.
 - Introduced the Manipulation Risk Score (MRS) using XGBoost regression to quantify linguistic manipulation based on interpretable features like repetition, hedging, and loaded language.
 - Achieved 99.24% accuracy on benchmark datasets and deployed a real-time, explainable news analysis tool via Streamlit with domain adaptation and ethical AI considerations.





EDUCATION

Bachelor of Technology in Computer Science Engineering (8.71/10 CGPA), NIST University 2022 – 2026
Berhampur

PROFESSIONAL EXPERIENCE

- Summer Research Fellow@IIIT, Bhubaneswar** 06/2025 – 08/2025
Selected for the prestigious SRFP 2025 by IAS-INSA-NASI and completed a funded research internship in AI/ML under expert mentorship.
- AI & Machine Learning Intern** 01/2025 – 02/2025
Accomplished Microsoft & SAP's TechSaksham Internship- Built an NLP-based MedBot that answers 100+ health-related queries, gaining hands-on experience in AI, ML, and Deep Learning.
- Intern@NIST University** 06/2024 – 07/2024
Undertook hands-on Data Science training using Python- Gained practical experience in data preprocessing, feature engineering, and model development, achieving 81% model accuracy.

CERTIFICATES

- Programming in Java | NPTEL 
 - Web Development Intern | Codsoft 
 - AI: Transformative Learning with TechSaksham 
- Data Science using Python | NIST University 
 - Postman API Fundamentals Student Expert certification|Postman Academy 