

# SAHADRI BHATTACHARYYA

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GITHUB LINK-<https://github.com/SahadriX>



## SUMMARY

Enthusiastic ML intern and aspiring Software Development Engineer with hands-on experience in predictive modeling, NLP, and full-stack web app development. Skilled in Python, R, Flask, and cloud deployment. Strong knowledge of ML algorithms, software development life cycle, and model evaluation. Currently expanding expertise in TensorFlow and deep learning

## EDUCATION

**Kalinga Institute of Industrial Technology** B.Tech in Computer Science Engineering

**Expected graduation - May 2026**

## TECHNICAL SKILLS

- Languages: Python, R
- Web Development: Flask, HTML, CSS, REST APIs
- ML/AI: Scikit-learn, TensorFlow, Logistic Regression, SVM, Random Forest
- NLP: TF-IDF, Lemmatization, N-gram, Stopword Removal
- Tools: Git, GitHub, Google Colab, VS Code, AWS

## EXPERIENCE

**CORIZO ,Machine Learning Intern    05/2024-07/2024**

- Developed ML models in Python and R with up to 92% accuracy, improving trend analysis speed Built deep learning models handling 100k+ data points, boosting classification accuracy by 20%.
- Applied NLP for sentiment analysis on 50k+ reviews, achieving 85%+ F1-score via TF-IDF, lemmatization, and n-gram modeling.
- Used NumPy and pandas for optimization, reducing data prep time
- Explored Generative AI tools to automate content generation and improve workflow efficiency.

**COURSERA,2024-Present**

- Gained a solid understanding of SDLC, software testing, and quality assurance practices. Designed software systems using architectural patterns, UML diagrams, and planned API routes. Applied version control with Git/GitHub for collaboration, code management, and deployment.
- Built responsive frontends with HTML/CSS and developed full-stack applications using Flask; understood web architecture, REST APIs, and core programming concepts.

## PROJECTS HEART DISEASE

### PREDICTION WEB APP

**ML + Web Development | 2024-2025**

- Preprocessed medical dataset by handling missing values, performing feature scaling, and applying one-hot encoding for categorical variables.
- Trained and evaluated Logistic Regression, SVM, Random Forest, and Neural Network models using 10-fold cross-validation; achieved 98% accuracy and 0.91 ROC-AUC with a Grid Search-tuned Random Forest.
- Developed and deployed a full-stack web app with a Flask backend and responsive frontend for real-time heart disease prediction; hosted publicly on Render.

Live Demo: <https://heart-disease-predictor-xo2z.onrender.com/>

### CREATED A PERSONAL PORTFOLIO WEBSITE USING HTML, CSS, AND JAVASCRIPT | 2025

- Designed and developed a personal portfolio website using HTML, CSS, and JavaScript to showcase technical skills, projects, and achievements.
- Featured completed projects (that include nlp) with detailed descriptions, tech stacks, and links to live demos and GitHub repositories.
- Built with a responsive, mobile-friendly layout for optimal user experience across all devices

Live Demo: <https://self-portfolio-lcd8.onrender.com>

## CERTIFICATIONS

- AWS Machine Learning Foundations – AWS (2024)
- Machine Learning Internship – Corizo (2024)
- Introduction to Software Engineering – IBM via Coursera (2025)