

BASALA DHANUSH

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SKILLS

Programming Languages: Java, JavaScript

Frontend Technologies: HTML5, CSS3, JavaScript (ES6)

Databases: MySQL

PROJECTS

Mental Disorder Detection from Social Media Using ML & LLMs Dec 2025 – Apr 2026

Python, Django, Scikit-learn, NLTK, MySQL, BERT, RoBERTa

- Developed a hybrid AI-based mental health detection system to identify depression, anxiety, and bipolar disorder from social media text using Machine Learning and Large Language Models.
- Trained and evaluated five machine learning models, including Logistic Regression, Support Vector Machine (SVM), Naive Bayes, Decision Tree, and SGD, achieving a classification accuracy of **76.76%**.
- Processed and analyzed more than **17,840 labeled social media posts** using text preprocessing, TF-IDF vectorization, and feature engineering techniques to improve model performance.
- Integrated transformer-based BERT and RoBERTa models to enhance contextual sentiment analysis, improving the identification of emotional cues and distress signals.
- Designed and deployed a full-stack Django web application featuring user authentication, an administrative dashboard, real-time predictions, and interactive analytics capabilities.

INTERNSHIPS

Application Developer (Web & Mobile) – Rooman Technologies Pvt. Ltd.

May 2025 – Jul 2025

- Completed intensive training in web and mobile software engineering, demonstrating strong technical proficiency and consistent performance throughout the internship.
- Designed, developed, and deployed web and mobile solutions while gaining practical experience with full-stack technologies and industry-standard software engineering practices.
- Collaborated on frontend-backend integration tasks and participated in the complete Software Development Life Cycle (SDLC), from implementation to deployment.
- Earned an industry-recognized certification from Rooman Technologies in association with NASSCOM, IBM, NSDC, Skill India, and the Wadhwani Foundation (Certificate ID: CAN_36842944).

EDUCATION

Dr. K. V. Subba Reddy Institute of Technology

Bachelor of Technology in Computer Science and Engineering

Jul 2022 – Jul 2026

Kurnool, India

NRI Junior College

Intermediate (Mathematics, Physics, and Chemistry)

Jul 2019 – Jun 2021

Anantapur, India