

Soujanya Bagali

Aspiring Full Stack and AI/Machine Learning Engineer

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Skills

Python, Java, JavaScript, HTML, CSS, SQL

Work Experience

Full Stack Developer Intern

Kodnest, Bangalore

Feb 2025 – Sep 2025

- Built responsive web applications using HTML, CSS, and JavaScript with Java-based backend support.
- Integrated SQL databases and optimized backend operations through effective query design.

AI/Machine Learning Engineer Intern

Rooman Technologies, Bangalore

Sep 2024 – Feb 2025

- Developed machine learning models for classification and prediction using Python, Scikit-learn, and TensorFlow.
- Performed data preprocessing, hyperparameter tuning, and evaluated model performance using standard metrics.

Education

Bachelor of Engineering in Computer Science

Karavali Institute of Technology

Oct 2021 – May 2025

CGPA: 8.99

Pre-University Education (PCMB)

ICS Mahesh PU College

Jun 2020 – Jul 2021

Percentage: 86.83%

Secondary School (SSLC)

Swami Vivekananda High School

Jun 2018 – Apr 2019

Percentage: 86.72%

Projects

- **Blood Group Detection Using Fingerprint Images** – Engineered a convolutional neural network (CNN) to classify blood groups from fingerprint images using OpenCV for image preprocessing and TensorFlow/Keras for model development. *(Feb 2025 – May 2025)*
- **Automated Model Ensemble Techniques** – Enhanced model accuracy by combining multiple ML algorithms. *(Sep 2025 – May 2025)*
- **Skin Disease Detection Using Deep Learning** – Developed a deep learning model to classify skin diseases by identifying critical dermatological features from image datasets. Used TensorFlow and Keras for training and evaluation. *(Sep 2024 – Dec 2024)*

Certifications

- Full Stack Development – KodNest (May 2025)
- AI/Machine Learning Engineer – Rooman Technologies (May 2025)
- Machine Learning Internship – Take It Smart (Nov 2023)