

# Jishnu Nandakumar

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GitHub: [N-Jishnu](#) — LinkedIn: [Jishnu Nandakumar](#)

## Summary

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B.Tech Computer Science student specializing in Artificial Intelligence and Machine Learning. Currently gaining hands-on experience in AI, Deep Learning, and Computer Vision through academic projects and open-source contributions. Proficient in Python, TensorFlow, and Scikit-learn, and eager to apply skills in real-world problem solving and industry-focused ML applications.

## Education

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**B.Tech, Computer Science Engineering, SRM Institute of Science and Technology** 2023–Present  
CGPA: 9.09/10

Relevant Coursework: Machine Learning, Data Structures, Operating Systems, Computer Vision, Neural Networks

## Skills

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- Python, C++, Java, SQL
- TensorFlow, PyTorch, Scikit-learn
- Deep Learning, NLP, OpenCV
- HTML, CSS, JS, Flask
- MySQL, MongoDB
- Google Cloud, Git, GitHub, Jupyter

## Projects

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### Live Face Detection via Webcam

[GitHub](#)

- Developed a real-time face detection system using OpenCV, VGG16 and TensorFlow.
- Implemented multi-face tracking, improving detection efficiency by 35%.
- Trained and tested on 500+ images to enhance recognition accuracy.

### Gemini Multimodal Playground

[GitHub](#)

- Developed a web-based platform integrating Google's Gemini 1.5 Flash model for multimodal AI (text, vision, and audio).
- Implemented real-time interaction pipeline with React, Node.js, and REST APIs, enabling user queries.
- Designed scalable architecture supporting document Q&A, summarization, and image-based analysis.

### Mine vs. Rock Prediction

[GitHub](#)

- Built a logistic regression model achieving 90% sensitivity.
- Performed feature engineering using Pandas and NumPy for better data representation.
- Applied the UCI Sonar dataset to classify mines vs. rocks with improved accuracy.

## Certifications & Training

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- Google AI ML Virtual Internship (Jan–Dec 2024)
- Juniper Cloud Cert – AICTE (2024)
- Prod ML Systems – Coursera (Apr 2024)
- Complete C++ – Udemy (Apr 2024)

## Achievements

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- Top 15/2000+ – Ultron 8.0 Hackathon (SRM Futurix)
- Merit Certificate – Cherry+ SRM Club
- Associate at Dbugs Lab for impactful contributions

## Extracurricular

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- Zone-Level Football (Top 10)
- Hack of Duty Ideathon (AI/ML) Participant