

# Pranav H

📍 Mumbai, India

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🌐 Pranav H

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🔗 Profile

👤 Pranav - Nexus



As an ambitious fourth-year B.Tech engineer specializing in AI & ML, driven to apply and expand my expertise in the realm of artificial intelligence. Proficient in Python, Java, TensorFlow, and C/C++, coupled with experience in crafting fundamental AI models and data analysis, possessing strong collaborative skills and analytical mindset enable me to solve complex problems effectively. I am committed to bridging the gap between theoretical knowledge and practical applications, fostering both personal and organizational growth.

## Education

**B.Tech : CSE - AI, Amrita Vishwa Vidyapeetham**

2021 – present | Bengaluru

Current CGPA – 9.18/10

**Narayana Junior College**

2019 – 2021 | Mumbai

HSC Board: GRADE XII (91%)

**New Horizon Public School**

2019 | Mumbai

CBSE Board: Grade X (95%)

## Extra Curricular

Council Member (2023 - 2024)

Institute Innovation Council, Amrita Bengaluru

Treasurer (Jan – June, 2024),

Sergeant at Arms (July – Dec, 2023),

Toastmaster Amrita Bengaluru

Vice President, (2023 - 2024)

Amrita Management & Leadership (A.M.A.L) Club

Core Member –

Geeks for Geeks Student Chapter,

Amrita Bengaluru

Co - Authored an anthology titled : "Humpty Dumpty Did not fall"

## Intrests

Professional :

Machine Learning, Neural Networks,

Machine Vision, Data Analytics

Personal :

Writing, Reading, Singing, Photography,

Playing Chess and the Guitar

## Projects & Publications

**HTTP C2 Analysis and Detection Using MongoDB**

- Enhanced RITA with C2 and TLS techniques for improved cybersecurity.

- Published in the 3rd International Conference on Advances in Computing, Communication and Applied Informatics, 2024

**On – Device Translation of Dynamically Typed and Interpreted Languages**

- Translating Between 2 majorly used programming languages which do not share a common kernel, enabling more collaboration.

- Published in the 15th International Conference on Computing, Communication and Networking Technologies (IIT Mandi).

**Network Intrusion Detection System**

Implemented a Network - IDS using ML and DL techniques to enhance network safety.

**Target Preserved Image Generation**

Customizes Images Generated from Text Prompts, allowing Seamless Feature Transfer and Precise Positioning.

**Multi-Echelon Supply Chain Management System**

A Deep Reinforcement Learning-based end-to-end supply chain management system optimizing raw material acquisition, production, and distribution for maximum profitability.

## Internships

**ML Intern at Applied Cloud Computing, (1 month)**

July 2023

- Took Active Part in Product Development Meetings and Independently Developed a proof of Concept an OCR Based ML Model for a MNC client.

## Certificates

IBM AI Engineering Professional Certificate 