

# ROHIT KUMAR MISHRA

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## Education

### National Institute of Technology, Trichy

*Master of Computer Applications, 7.73\**

**Aug 2023 – Ongoing**

*Tiruchirappalli, Tamil Nadu*

### Mahatma Gandhi Kashi Vidyapith University

*Bachelor of Science Computer Science, 66.94%*

**Sep 2019 – Feb 2022**

*Varanasi, Uttar Pradesh*

## Projects

### Dog Breed Classification Model | CNN, TensorFlow, Stanford Dog Dataset

**May 2024**

- Developed a deep learning model using Convolutional Neural Networks (CNN) to classify dog breeds from the Stanford Dog Dataset, leveraging computer vision techniques.
- Pre-processed over 20,000 images by resizing, normalizing, and augmenting data to enhance model generalization and improve training efficiency.
- Designed and trained a custom CNN architecture with multiple convolutional and pooling layers to accurately identify over 120 different dog breeds.
- Fine-tuned model hyperparameters, such as learning rate and batch size, and implemented dropout to reduce overfitting and improve validation accuracy.
- Evaluated the model using accuracy and precision, applying further optimizations to enhance classification performance on test data.

### Microsoft Teams Clone | React JS, Chat Engine, JavaScript

**July 2024**

- Developed a Microsoft Teams clone focusing on chat functionality and real-time messaging using React JS and Chat Engine.
- Designed an intuitive user interface with seamless integration of dynamic components, enhancing user experience.
- Implemented key features like user authentication and multi-user chat rooms for enhanced functionality.
- Gained hands-on experience with React, Chat Engine, and JavaScript, improving skills in front-end development.

### Front-End Website | Tailwind CSS, HTML, JavaScript

**Feb 2024**

- Developed a responsive front-end website using Tailwind CSS, ensuring compatibility across various devices and screen sizes.
- Customized Tailwind to implement unique styling and branding, creating a clean and modern design.
- Gained experience in using utility-first CSS for efficient and maintainable code.

## Technical Skills

**Languages:** Python, C++, HTML/CSS, JavaScript, SQL

**Developer Tools:** VS Code, Android Studio, Nano

**Technologies/Frameworks:** Linux, React, GitHub, TensorFlow, PyTorch

## Achievements

- Achieved a rating of **1305** on Codeforces, demonstrating strong problem-solving skills.
- Solved over 400+ problems across various platforms such as LeetCode, Codeforces, and GeeksforGeeks.
- Secured 3rd rank in **ALGOCAMP**, an algorithms contest organized by **SPIDER R&D** at NITT.

## Leadership / Extracurricular

### AINLP Club

**Feb 2024 – Present**

*Member*

*NITT MCA*

- Active member of the AINLP Club, dedicated to advancements in AI, ML, and NLP technologies.

### NITTFEST Coordinator (MCA 1st Year)

**Feb 2024 – Mar 2024**

*Coordinator*

*NITT MCA*

- Acted as the main communication link between NITTFEST organizers and MCA students, encouraging first-years to participate in various events.
- Ensured effective coordination and engagement of MCA students with the senior coordinators and NITTFEST team.

### Paper and Publishing Committee, VERSION

**Feb 2024 – Mar 2024**

*Member*

*NITT MCA*

- Worked as a video editor, creating promotional content to enhance visibility and engagement for the event.
- Contributed to the event's success by producing creative and appealing promotional videos.