# DIVYANSHU VERMA

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## SUMMARY

Dynamic and results-driven Software Engineer with an M.Tech in CSE specializing in AI/ML. Proven track record from a hands-on software engineering internship, crafting innovative and efficient solutions. Mastery in programming languages and advanced AI/ML techniques. Passionate about driving technological advancements through exceptional analytical and teamwork abilities.

## SKILL

- **Programming Languages:** C++, Python, MYSQL, GoLang, DSA.
- **Machine Learning**: Deep Learning, Data preprocessing, GenAI, Algorithms.
- **Frameworks & Tools:** Flask, Docker, kubernetes, Git, HTML, CSS.

## PROFESSIONAL EXPERIENCE:

**NOKIA** (08/2023 - 05/2024)
**Software Engineer Intern**

- Proficient in Flask API development and Docker containerization for efficient deployment.
- Hands-on experience with Kubernetes for scalable application deployment.
- Implemented concurrent programming in Golang and Python to optimize application performance.
- Utilized CI/CD pipelines to streamline development workflows and reduce deployment time.
- Familiarity with Flyte for machine learning workflow orchestration.

## EDUCATION:

**College:** Vellore Institute of technology (06/2022-06/2024)
**Course:** Master degree(M-Tech) in CSE with specialization in AI/ML, 8.66 CGPA

**College:** Ajay kumar garg engineering college (06/2017-09/2021)
**Course:** Bachelor's degree(B-Tech), 7.99 CGPA

## PERSONAL PROJECTS:

**Fruit classification using HSI with help of Convolutional neural networks:** (11/2022 - 01/2023)

- Developed an algorithm using OpenCV and Python for detecting and classifying fresh and rotten fruits.
- Achieved 92% accuracy through optimization techniques like batch normalization and data augmentation.
- Leveraged Convolutional Neural Networks (CNNs) to improve classification performance.

**Image classification using CNN and ensemble learning:** (03/2023 - 07/2023)

- Implemented an image classification system using a stack of multiple models to enhance overall accuracy.
- Reduced false positives by 20% through the use of ensemble learning techniques.

**Spam and not spam detection using multiple models:** (06/2023)

- An analysis is done to identify which model provides better results.
- Data cleaning, counter_vectorizer, split of train and test data, model fitting operation are performed.