

NANDINI NARENDRA MAHANAG

FINAL YEAR CSE STUDENT

AI/ML Engineer + Frontend

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SUMMARY

AI/ML Engineer with **hands-on experience** in **Computer vision, IoT, Deep learning**. Currently, working on **Smart traffic management** techniques aimed at reducing traffic. Contributed to frontend projects using **HTML, CSS, and JS**. Executed **Agile methodology** using **Notion and ClickUp** to boost teamwork.

EDUCATION

✓ B. Tech	CSE	Vellore Institute of Technology, AP	8.1 GPA	Aug 2021 – Present
✓ Sr. Secondary	PCM	Bethany Convent School	76.2 %	July 2019 – July 2020
✓ Secondary	General	Bethany Convent School	77.8 %	May 2017 – May 2018

SKILLS

Java , SQL , ML Models , Tensor flow , Keras , Data Pre-processing , Data Augmentation , Deep Learning , Figma , Prompt Engineering

PROJECTS

SMART TRAFFIC FLOW DETECTION USING REAL TIME ANALYTICS (IOT)

Divert **congested traffic** during **prime time** in India to **minimize slowdowns** and delays.

- ✓ Utilization of IOT devices to capture **real-time video streams** for object detection.
- ✓ **Adaptation and Improvement** on Delhi and Bangalore's VNT traffic monitoring and signaling system.
- ✓ Optimizes smart traffic flow by enabling **traffic density analysis** and **dynamic signal adjustments**.

FAKE NEWS DETECTION SYSTEM ON SOCIAL MEDIA PLATFORMS

Fake news identification to **increase credibility** of news content to **reduce misinformation**.

- ✓ Implemented - BiLSTM (**90.7%**), LSTM (**75%**), and SVM (**68%**) with SHAP integration.
- ✓ **Semantic** and **contextual** understanding of the tokens to analyze the relationship between words.
- ✓ The model outputs a **probability score** indicating whether the news is real or fake.

HIGHLIGHTS

CHAPTER PUBLICATION | UBIQUITOUS COMPUTING AND TECHNOLOGICAL INNOVATION FOR UNIVERSAL HEALTHCARE

Author, Publication - IGI Global

- ✓ Research and Development on block chain's transformative role in healthcare for the book "**Ubiquitous Computing and Technological Innovation for Universal Healthcare**".

INTERNSHIP

BLUESTOCK FINTECH | SOFTWARE DEVELOPER INTERN

HTML CSS and Vanilla JS, Frontend Development

- ✓ **User-centric** frontend prototype for the IPO web application using **Figma** and **UI/UX Principles**.
- ✓ **Agile methodology** approach resulted in accelerated outcome upto **30%-40% faster** in reaching targets.
- ✓ Utilized **strong communication skills**, **Notion** to meet deadlines, documentation and .Backlog management.

CERTIFICATIONS

- ✓ **AWS Cloud Practitioner CLF-C02 (Udemy)**
- ✓ **Java Full Stack Developer (IamNeo)**