

# NARRA VARSHA

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## RELEVANT COURSE WORK

Python, Java, Object-oriented programming/design, Relational and Non-Relational databases, Data Structures and Algorithms, Operating Systems, Computer Networks, Web Technologies and Artificial Intelligence and Machine Learning.

## TECHNICAL SKILLS

**Programming:** •Python •Java •JavaScript •C  
**Web & Database:** •HTML •CSS •Bootstrap •ES6+ •MongoDB •Express.js •React.js •Node.js •SQL  
**AIML Tools:** •Pandas •NumPy •Scikit-learn •Matplotlib •Keras •Tensorflow •NLTK •Dialogflow  
**Tech & Others:** •Git •VScode •Eclipse •Postman •MongoDB Compass •DevOps

## EXPERIENCE

Internship | Defense Research & Development Organization (May'23)

- ◆ Developed a SIEM tool using Python and MERN stack, which manages UDP logs from various devices
- ◆ Implemented a log parsing algorithm to extract relevant information from logs
- ◆ Created a syslog server to receive and dump parsed logs into MongoDB
- ◆ Developed a fully responsive GUI that retrieves and displays logs based on custom filters.

## PROJECTS

Amazon Fake Product Detection | AIML, Web Development

- ◆ Developed a fake product detection system for Amazon products using python & MERN stack.
- ◆ Implemented four services for analysis: description analysis, logo analysis, review analysis, price analysis
- ◆ Utilized weighted scoring algorithm to generate a percentage value for likelihood of a product being fake.
- ◆ Created a user-friendly website that performs web scraping on provided Amazon product link

Photobook Management Application | Web Development

- ◆ Designed and developed a photo book management application using the MERN stack.
- ◆ Implemented user authorization and authentication using JSON Web Tokens .
- ◆ Optimized photo storage in MongoDB by utilizing base64 encoding, improving retrieval and rendering efficiency.
- ◆ Implemented filtering system that enables users to search photos based on date, time, location.

## CERTIFICATIONS

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| ◆ Microsoft Certified: Azure AI Fundamentals | Microsoft |
| ◆ Programming in Java                        | NPTEL     |
| ◆ Full Stack Web Development                 | LinkedIn  |

## EDUCATION

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|---|-------------|
| ◆ Bachelor of Engineering (B.E), Computer Science             | 2020-2024   |
| ◆ Matrusri Engineering College, Osmania University Affiliated | CGPA:7.9/10 |