Narasimha Palla

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EDUCATION

NIT ANDHRA PRADESH
B.Tech in Electrical Engineering
CGPA: 8.38/10.0
2021-2025

ABHYAS JUNIOR COLLEGE
SSC (Class XII)
Percentage: 95.9
2021

ADITYA HIGH SCHOOL
SSC (Class X)
GPA: 10.0/10.0
2019

LINKS

Portfolio:// **narasimhapalla**
Github:// **narasimhapalla**
LinkedIn:// **narasimhapalla**
Leetcode:// **narasimhapalla**
GeeksForGeeks:// **narasimhapalla**

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Database Management System
Machine Learning
Deep Learning
Object Oriented Programming
Python
Embedded Systems
Signals and Systems

SKILLS

PROGRAMMING
Experienced:
C • C++ • Python • JavaScript • REST API • React.js • HTML • Git • Tailwind

Intermediate:
Redux • Recoil • CSS • TypeScript• Express • jQuery • Node.js • MongoDB • SQL • WebRTC • Docker • Machine Learning • Deep Learning• Reinforcement Learning

Familiar:
Java• Artificial Intelligence • Prompt Engineering

EXPERIENCE

CALLVCAL | Software Engineering Intern
July 2023 - Sep 2023 | Remote
- Designed and developed a social media application for college students using React and Firebase, incorporating virtual profiles for buying and selling goods.
- Enhanced the Blog Page's performance by **15%** through code optimization techniques including code splitting and lazy loading using React and Tailwind.

DALOGIX | Software Engineering Intern
June 2023 – July 2023 | Remote
- Collaborated with the Frontend Development Team using React to implement enhanced form validation mechanisms including regex patterns and OTP Validations, reducing form submission errors by **25%**.
- Designed and developed interactive visualizations for a dashboard analytics web page using Chart.js, displaying essential metrics such as customer engagement, resulting in a **20%** increase in user interaction.

PROJECTS

ALGOFIT - SMART ML ALGORITHMIC SELECTOR   GitHub
- Developed an **algorithm selection tool** utilizing **Q-Learning** and **Deep Q-Networks** in **Python** to recommend the best-performing machine learning algorithm (SVM, kNN, Decision Tree, Random Forest) for a given dataset.
- Built a **Flask-based web interface** for AlgoFit, allowing users to easily input data and receive optimized algorithm recommendations, improving accessibility and usability for a wide range of data science tasks.
- **Technologies used**: Python, Flask, Q-Learning, Deep Q-Networks, Machine Learning. **(May 2024)**

HOTEL BOOKING APP   GitHub   Live
- Developed a secure **hotel booking application** using **MERN stack**, **Tailwind**, and **TypeScript**, incorporating user authentication with **JWT** and **HTTP cookies**.
- Integrated essential features such as **hotel management**, **image uploads** using **Cloudinary**, search, sort, and filter functionalities, along with **Stripe** for online payments, ensuring a seamless user experience.
- **Technologies used**: MongoDB, Express, React, Node.js, Tailwind, TypeScript, JWT, Cloudinary, Stripe. **(Jan 2024)**

FOOD KING   GitHub   Live
- Developed a **restaurant listing application** which displays currently available restaurants based on user location, featuring a **config-driven UI**.
- Implemented **authentication** using Firebase, **multi-language support**, **Shimmer UI** for loading states, and **search functionality** to enhance user experience.
- **Technologies used**: React, Node.js, Express, Tailwind CSS, Firebase. **(Aug 2023)**

CERTIFICATIONS

Git and GitHub - Google
Data Structures and Algorithms - Udemy
React - Namaste Dev
Supervised Machine Learning - Coursera
Advanced Learning Algorithms - DeepLearning.Ai
Artificial Intelligence Fundamentals - DataCamp