THAHEER NITTURI

8121199497 | thaheernitturi@gmail.com | Andhra Pradesh ,India | LinkedIn.com/in/thaheernitturi

SUMMARY

Innovative and driven Software Development Engineer with a solid foundation in full-stack development, object-oriented design, and distributed systems. Skilled in Java, Python, and C++, with hands-on experience in building scalable and fault-tolerant applications. Proven ability to work in agile teams, solve complex problems, and deliver impactful solutions. Passionate about designing and developing systems that enhance customer experience and performance at scale.

WORK EXPERIENCE

Rockfort Ventures Inc.& Rockfort Labs Inc.| Machine Learning Intern   Feb 2024 - June 2024
- Led pre-processing and feature engineering for a scoliosis management system, reducing training time by 40%.
- Built ML models for early diagnosis of scoliosis using real-world health data.
- Co-developed a real-time patient monitoring system with secure storage for medical data.

PROJECTS

Adaptive Ensemble Contrastive Learning for Vessel Type Recognition   Jan 2024 – Apr 2024
- Built a deep learning model to classify vessel images, even with limited data.
- Used GANs to create synthetic images and improve training data.
- Applied transfer learning with Inception v3 and contrastive learning to boost feature accuracy.
- Improved model performance using ensemble learning and optimized the training pipeline for faster results.

Paytm Project (Full-Stack Development):
- Developed a scalable digital wallet app using React, Express, and MongoDB.
- Implemented secure login with JWT authentication and role-based access.
- Enabled real-time transaction tracking with efficient data handling.
- Optimized database queries, improving performance by 30%.

Chat Application (Distributed Systems & Real-Time Processing):
- Built a real-time chat app using the MERN stack (MongoDB, Express, React, Node.js).
- Integrated WebSockets to enable instant messaging between users.
- Designed a scalable MongoDB schema to support high user traffic.
- Implemented secure JWT-based authentication for user session management.

SKILLS

Languages: Java, Python, C++
Web & Backend: MERN Stack, RESTful APIs, SQL
Systems: Distributed Systems, Object-Oriented Design, Data Structures & Algorithms
Tools: Git, GitHub, WebSockets, Version Control
Databases: MongoDB, SQL
Soft Skills: Problem Solving, Communication, Agile Development, Debugging

EDUCATION

Sastra Deemed University | Thanjavur| B Tech in Computer Science and Engineering 2021-present
(Artificial Intelligence and Data Science)

Narayana PU College | Bangalore | Pre-University 2019-2021

EXTRACURRICULAR&CERTIFICATIONS

Cisco Intro to Software Engineering Virtual Experience Program on Forage - April 2025

- Set up a React application and stitch together a series of reusable React components to create a dashboard frontend
- Used Websocket to connect to an external service and display packet latency
- Recorded a sprint review video showcasing the frontend features I've developed in React

Walmart USA Advanced Software Engineering Virtual Experience Program on Forage - April 2025

- Completed the Advanced Software Engineering Job Simulation where I solved difficult technical projects for a variety of teams at Walmart.
- Developed a novel version of a heap data structure in Java for Walmart's shipping department, showcasing strong problem-solving and algorithmic skills.
- Designed a UML class diagram for a data processor, considering different operating modes and database connections.
- Created an entity relationship diagram to design a new database accounting for all requirements provided by Walmart's pet department.