

SHAMYA HARIA

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EDUCATION

Vellore Institute of Technology, Vellore

2021-2025

B.Tech in Computer Science Engineering (specialization: Blockchain Technology)

WORK EXPERIENCE

Tech Mahindra

Aug - Sept 2023

Intern, Full Stack Developer

Developed and deployed an innovative web-based application to efficiently manage and streamline services provided to multiple clients. The project leveraged the MERN stack to deliver full-stack solutions, integrating real-time data configuration to eliminate redundancies and ensure accurate tracking. Advanced encryption techniques and API key integration were implemented to guarantee secure data transfer and uphold data integrity.

College Tips

May - June 2023

Intern, Marketing and Graphic Designer

Revamped the company's visual identity by creating innovative graphic designs and dynamic social media graphics, elevating its online presence and engagement. Leveraging tools like Adobe Creative Suite, the project combined marketing insights with advanced design principles to craft compelling advertising content and deliver impactful branding solutions across diverse platforms.

PAPERS AND PUBLICATIONS

Detection and Prediction of Fabric Durability

Nov 2024

Detection and Prediction of Fabric Durability focuses on utilizing artificial intelligence and machine learning to accurately predict fabric tensile strength and durability. The project employs image processing and regression models alongside metrics such as Structural Similarity Index, Peak Signal-to-Noise Ratio, and Mean Squared Error to address challenges in analyzing fabric properties. This work introduces efficient methodologies for fabric durability prediction, improving both precision and reliability in the analysis process.

PROJECTS

BioMed Chat Bot - Created an AI-powered symptom checker chatbot using a PyTorch implementation of BioBERT, achieving an F1 score of 0.91. Diagnoses ailments, recommends treatments, and provides information from doctors and pharmacies based on user input queries. Leveraged BioBERT to accurately extract medical entities and intent from queries, ensuring personalized and reliable responses.

Harvest Hub - Harvest Hub is an innovative e-commerce platform designed exclusively for farmers, providing a unified space to connect with agricultural experts and access advanced farming resources. Built using modern web technologies, it leverages data analytics to offer personalized insights, empowering farmers effectively.

Decentralized Funding - A Web3-based crowdfunding app that enables decentralized fundraising using Thirdweb. Built with Foundry (Forge) for smart contract development and deployment. This app allows users to support causes and make seamless interactions through blockchain technology, prioritizing transparency, security, and ease of use for both project creators and donors.

NeoVoice - NeoVoice is a Python-based personal assistant that combines speech recognition, text-to-speech synthesis, and natural language processing to facilitate seamless voice interactions. With features like web browsing and dynamic dialogue generation, it ensures intuitive and efficient communication. Built using AI-driven algorithms, the assistant enables natural language dialogues, making everyday tasks smarter and more accessible.

SKILLS

- **Relevant Coursework:** DSA, DBMS, OS, OOPS, Networks and Cryptography, Computer Architecture, Information Security, Software Engineering, AI, Advanced Competitive Coding, DAA, Java, Cyber Security, Compiler Design, Probability & Statistics.
- **Programming:** C, C++, Java, Python, Kotlin, R Language, Solidity, 8051 Assembly Language Programming (ALP), JavaScript.
- **Libraries, Frameworks, and Tools:** Node.js, Express.js, React, Flutter, Truffle, Ganache, MongoDB, SQL
- **Software:** LTSpice, Orcad, Google SketchUp, Adobe Photoshop, Scratch, MATLAB, PyCharm, Tableau, Jupyter Notebook, Git/Github, Visual Studio Code.
- **OS:** MacOS, Windows, Linux.

EXTRA CURRICULAR ASSETS

Riviera Cultural Fest

Ambassador

Feb 2024

Guest Care Committee Volunteer

Feb 2023

JNMUN (Jamnabai Narsee School Model United Nations)

Represented Germany in the council of World Refugee Crisis.

Dec 2017

Basketball Tournament

ICSE/ISC Basketball Tournament - Runners up.

Sep 2018

VIT's League Basketball Tournament - Runners up.

May 2022

Portfolios Held

Deutsche Literary Association - Secretary

2024

Apple Developer's Group - Core Member

2022-2024

Minister and Undersecretary - School Level

2016-2018

House Representative - School Level

2014