Sahithi Puchakayala

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Bachelor of Technology
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EDUCATION

•**Bachelor of Technology in Computer Science and Engineering** *2022-26*
National Institute of Technology Durgapur CGPA: 7.66

ACHIEVEMENTS

• Secured 11328 rank in JEE Advanced 2022.

•Secured 12811 rank in JEE Mains 2022.

•Secured 1100 State rank in Engineering and Medical Commerce Entrance Test of Telangana.

PERSONAL PROJECTS

• **EcommerceApplication**

Developed a full-stack MERN e-commerce website prototype with secure user authentication; dedicated seller and user interfaces; and a co

- Implemented real-time payment processing; order status tracking.
- Otherfunctionalities include : reviews for products purchased, cart functionality, real time messaging with seller using socket.io

•**Fake News Detection using Machine Learning**

The sophisticated tool is engineered using blend of text vectorization and neural networks which detects fake in live websites.

- Tool detects fake with precision and speed.
- Technology Used: Machine Learning, Python, NLTK,Pandas,Matplotlib,Jupyter Notebook..

•**Blockchain-Based Secure Messaging System**

Developed a decentralized messaging system using Ethereum and Solidity for secure communication

- Implemented encryption and decryption processes using PyCryptodome to ensure message confidentiality
- Integrated MongoDB for storing message metadata and blockchain transactions securely
- Utilized Docker for containerization and AWS for hosting the system in a scalable cloud environment
- Tech Stack: Ethereum, Solidity, Python, PyCryptodome, MongoDB, Docker, AWS.

EXPERIENCE

• **Machine Learning Intern** *Oct - Nov 2024*
Uptricks Services Pvt.Ltd Online
- Developed and deployed machine learning models in Python.
- Enhanced understanding of ML concepts and practical application.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Java, Javascript, HTML+CSS
Libraries : C++ STL, Python Libraries, ReactJs
Web Dev Tools: Nodejs, VScode, Git, Github
Frameworks: ReactJs
Cloud/Databases:MongoDb, Firebase, Relational Database(mySql)
Relevent Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering, Computer Networks.
Areas of Interest: Web Design and Development, Cloud Security.
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

POSITIONS OF RESPONSIBILITY

•**Active Volunteer and Graphic Designer of NSS NIT Durgapur**

- The National Service Scheme (NSS) is an Indian government sector public service program provides opportunities to take part in various government led communities services activities and programs.