Allu Teja Swaroop

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LinkedIn 🐙 GitHub HackTheBox LeetCode Portfolio CEHv12 Master

EDUCATION

National Institute of Technology, Kurukshetra 2020 – 2024
Bachelor of Technology in Computer Science Engineering *GPA: 8.0/10*

Sasi Junior College, Andhra Pradesh 2018 – 2020
Intermediate Education *Marks: 956/1000 (95.6%)*

EXPERIENCE

Dugong Global Services, Hyderabad **Aug 2024 – Present**
Blockchain Developer

Contributed to Dharitri, a scalable sharded Proof-of-Stake blockchain inspired by MultiversX and NEAR. Developed core protocol logic in Go, including validator rotation and shard coordination. Designed and deployed Rust-based staking and governance smart contracts compiled to WASM. Built Python CLI tools and tested on-chain REST/gRPC APIs. Contributed to CI/CD pipelines and Docker-based deployments for validator node testing. Worked with AWS (EC2, S3, IAM, CloudWatch) for node provisioning and monitoring. Integrated wallet signing, account abstraction, and dApp workflows on the Dharitri testnet.

Averlon Technologies **Jan 2023 – Jun 2023**
Software Engineering Intern

Developed policy-as-code rules in Rego to detect AWS misconfigurations in EC2, IAM, and Lambda environments.

Integrated policies with Golang services for real-time scanning and secure resource validation.

Contributed to internal Git repositories to streamline security automation pipelines.

Skills: Go, Rego, AWS, Docker, Git

PROJECTS

AI-Driven Stock Prediction System 2024

Wezenite Technologies – AI/ML Intern
Built a web application for stock market predictions using machine learning models with Python and Scikit-learn . Integrated AWS and MongoDB for data processing and storage.
Tech Stack: Python, Scikit-learn, React.js, Node.js, AWS, MongoDB

Cross-Domain Recommendation System **GitHub**

Built a recommendation engine to suggest music based on book preferences using collaborative and content-based filtering techniques. Used **NLP (nltk, WordNet)** and **cosine similarity** to map book genres to music genres and recommend top-matching tracks.

Dharitri.org Website – Blockchain Platform Portal **GitHub**

Designed UI/UX with Figma and built frontend using **Tailwind CSS** and **Next.js**. Developed **Python** backend with **AWS** integration for secure and scalable deployment.

Implemented features including ecosystem overview, validator onboarding, and wallet integration support.

Log Analysis Using Splunk 2023

Configured Splunk dashboards and inputs for real-time security and infrastructure monitoring.

Designed custom SPL queries and alerts to detect anomalies.

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python, JavaScript, Go, Rust

Web Development: HTML5, CSS3, React.js, Node.js, MongoDB, MySQL

Blockchain: Smart Contracts (Rust/WASM), dApp Development, Proof-of-Stake Protocols, Sharded Architecture

Cybersecurity: Penetration Testing, Malware Analysis, Splunk, Rego, Bash, PowerShell

DevOps & Tools: Git, Docker, Jenkins, AWS, Jira