

# Dave Meshak J

Amaravati, Andhra Pradesh, India

 Github |  LinkedIn |  Devfolio |  davedmj1725@gmail.com |  +91 9345872568

## SUMMARY

Software Engineering student with strong foundations in data structures, algorithms, and object-oriented programming (CodeChef rating: 1400). Experienced in full-stack development, distributed systems, CI/CD pipelines, and observability tools. Proven ability to design scalable, high-performance applications through internships, and national hackathon wins.

## WORK EXPERIENCE

**2LYP Computations – Software Engineering Intern** | [GitHub Link](#) June 2025 – July 2025

- Designed and deployed distributed token infrastructure on Polygon testnet, focusing on scalability and security.
- Built a token vesting system and analytics dashboard, optimizing performance and user experience.
- Applied Agile methodologies and automated workflows using Git & GitHub Actions for CI/CD.

**HackSRM 6.0 – Hackathon Organizer** | [Devfolio Link](#) Dec 2024 – Feb 2025

- Coordinated logistics, outreach, and sponsor engagement for 500+ participant hackathon.
- Designed and deployed the official website using Next.js, Node.js, and TailwindCSS ([GitHub](#)).
- Facilitated collaboration with 10+ industry mentors to enhance technical engagement.

**SRM University, AP – Software Developer Intern** June 2024 – Aug 2024

- Built a prototype for secure medical record sharing using Hyperledger Fabric, improving integrity and reliability.
- Integrated Prometheus and Grafana to monitor distributed applications with real-time diagnostics.

## COMMUNITIES

**Next Tech Lab – R&D Member** March 2023 – Present

- Developed tools exploring distributed systems, ZK-SNARK workflows, and blockchain-based applications.
- Built **Heracles** (PC maintenance app) and **Poseidon** (ZK-SNARK automation toolkit).
- Served as interim board member, driving technical discussions and mentoring peers.

**Music Club – Website Lead & Former Convener** Aug 2024 – Present

- Leading website development with Next.js and Cloudflare CDN; previously managed events and budgeting as Convener.

## PROJECTS

**BriefCase** | *React.js, Node.js, Solidity, IPFS, MongoDB, Git* [\[Devfolio Link\]](#)

- Built a blockchain platform enabling secure medical data exchange using smart contracts and IPFS.
- Ensured scalability with decentralized storage and interoperability across healthcare systems.

**OneHeart Website** | *Next.js, TailwindCSS, Sanity CMS, Cloudflare, Framer Motion* [\[Live Site\]](#)

- Designed and deployed the official website for SRM University's music club with Next.js and TailwindCSS, integrating Sanity CMS for content management.
- Optimized performance and SEO using Cloudflare CDN and enhanced UX with responsive design and Framer Motion.

**UPI CryptoConnect** | *React.js, DeFi, Solidity, Node.js, IPFS, Git* [\[Devfolio Link\]](#)

- Developed prize-winning DeFi application integrating UPI identity for seamless crypto transactions.
- Implemented flash loan protocol, demonstrating efficient use of smart contracts for real-time execution.

**Poseidon** | *Python, Circom, ZK-SNARKs, CLI Tooling, GitHub Actions* [\[GitHub Link\]](#)

- Built CLI toolkit for end-to-end zk-SNARK development, automating proof lifecycle.
- Reduced manual setup steps by 90% through flexible automation flags and CI/CD.

**PegasusX** | *Python, Cryptography, CyberSecurity, Git* [\[GitHub Link\]](#)

- Created modular penetration testing toolkit with 15+ utilities for encryption, exploits, and forensics.
- Designed extensible architecture with authentication layer and rapid-use configurations.

## EDUCATION

**2022 – 2026 B.Tech, Computer Science and Engineering**, SRM University, AP CGPA: 8.53 / 10.0

**2021 – 2022 Class 12 (CBSE)**, Pushpalata Vidya Mandir Percentage: 87%

**2019 – 2020 Class 10 (CBSE)**, Pushpalata Vidya Mandir Percentage: 86%

## SKILLS

**Proficient** C++, Python, JavaScript, Data Structures, SQL, MongoDB, React.js, Next.js, CI/CD, Solidity, Hyperledger Fabric, Leadership, Communication

**Intermediate** Node.js, Express.js, Java, Docker, Git, Linux, TailwindCSS, Prometheus, Grafana, Bash

## ACHIEVEMENTS

- Won 3 national hackathons including \$350 bounty at VIT-AP Web3.0 (BriefCase).
- \$100 bounty and CEO recognition at ETHIndia Recurzive'24 (UPI CryptoConnect).
- 25% SRMJEEE merit scholarship recipient.
- NPTEL Silver Certificate in Python by IIT Madras (Score: 88%).

Last updated: August 30, 2025