VANSH SRIVASTAVA

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GitHub — LinkedIn — Portfolio

Education

B. Tech in Computer Science and Engineering	**2023 - 2027**
SRM Institute of Science and Technology, Chennai, Tamil Nadu, India	**CGPA: 9.79/10.0**
Higher Secondary Education (ISC)	**2021 - 2022**
City Montessori Inter College, Lucknow, Uttar Pradesh, India	**95.75%**
Secondary Education (ICSE)	**2019 - 2020**
Modern Academy Inter College, India	**90.60%**

Technical Skills

Programming Languages: Python, C++, C, Java, Solidity, TypeScript, SQL
Core Concepts: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Operating Systems (OS)
Web Technologies: HTML5, CSS3, ReactJS, NodeJS, ExpressJS, ether.js, web3.js, REST APIs
Databases: MySQL, MongoDB, PostgreSQL
AI/ML Frameworks: TensorFlow, Scikit-learn, Pandas, NumPy, NLP, LangChain, Transformers
Cloud & Development Tools: Git, GitHub, Google Cloud Platform, VS Code, Docker

Professional Experience

Research Intern	**Mar 2025 - Present**
Samsung PRISM	*Remote*

- Engineered multi-objective optimization algorithms for hyperparameter tuning across 5+ key parameters including Input/Output Configuration, SVD Decomposition, and Bond Dimension, achieving 20% improvement in model efficiency for Tensorized LLMs

- Spearheaded model compression research leveraging LoRETTA approach, reducing computational overhead by 35% while maintaining 95% accuracy benchmarks across 3 different model architectures

Projects

- **UniHub - College Social Networking Platform** - (GitHub)   **May 2025**
  MERN Stack, TypeScript, REST APIs, Real-time Communication
  – Architected full-stack social networking platform with real-time messaging, event discovery, and club collaboration features
  – Optimized database queries and API endpoints, reducing average page load time by 40% and enhancing user engagement by 60%

- **ESGGuardian - Blockchain ESG Compliance Platform** - (GitHub)   **Apr 2025**
  Ethereum, Solidity, Smart Contracts, Web3.js, IPFS
  – Developed blockchain-powered ESG compliance automation platform processing corporate sustainability reports with 95% accuracy validation
  – Deployed 10+ Solidity smart contracts on Ethereum testnet, automating compliance verification and reducing manual review time by 70%
  – Integrated IPFS for decentralized document storage, ensuring data immutability and reducing storage costs by 50%

- **CampusBuzz - University Event Management System** - (GitHub — Live)   **Jul 2024**
  HTML5, CSS3, JavaScript, Responsive Design, Event Management
  – Built comprehensive event management platform connecting 2,000+ students with 50+ campus clubs
  – Designed responsive user interface with mobile-first approach, achieving 85% mobile user engagement and 4.5/5 user satisfaction rating

Leadership & Extracurricular Activities

Technical Team Member   **Apr 2025 - Present**

ACM SIGKDD Student Chapter - SRM Institute

- Led website enhancement initiative for events section, implementing registration system that increased member engagement by 50% and streamlined event management for 300+ participants
- Collaborated with 5-member technical team to deploy automated event notification system, reducing manual coordination efforts by 60%

Technical Team Member   **Oct 2024 - Sep 2025**

E-Cell SRMIST - Entrepreneurship Development Cell

- Architected and maintained E-Cell website and service portal, enabling 25+ clubs to manage events seamlessly with 40% improvement in operational efficiency

Certifications & Achievements

- **IBM AI Developer Professional Certificate** - Completed comprehensive 12-course specialization in AI development and machine learning applications
- **NPTEL Programming in Java Certification** - Completed 12-week intensive Java programming course
- **Academic Excellence Award** - Maintained 9.79/10.0 CGPA ranking in top 5% of Computer Science cohort for 4 consecutive semesters
- **Open Source Contributor** - Active contributor with 300+ commits across GitHub repositories, maintaining 20+ personal projects

Additional Information

Programming Profiles: LeetCode, CodeChef, HackerRank

Areas of Expertise: Full-Stack Development, Blockchain Technology, Machine Learning, Data Science, Cloud Computing

Languages: English (Fluent), Hindi (Native)