

# Harsh Sahu

9399073131 | hs3657@srmist.edu.in | linkedin.com/in/harsh-sahu | github.com/Harsh067899

## Professional Summary

Computer Science student at SRM Institute of Technology (CGPA: 9.60/10.0) with 11+ months of internship experience in full-stack development, AI-powered EdTech solutions, and data analytics. Skilled in React.js, Java Spring Boot, Python, ML/AI frameworks, and cloud deployment (AWS/GCP). Recognized for contributing to projects in blockchain, AI orchestration, and automation, earning awards in global hackathons and coding competitions. Worked on and built scalable systems for different applications.

## Education

### SRM Institute of Technology

B.Tech in Computer Science & Engineering (Data Science), CGPA: 9.60/10.0

Chennai, Tamil Nadu 600031, India

Sept 2022 – Present

### Bharat Ratan School

Higher Secondary Certificate (Mathematics, Physics, Chemistry), Percentage: 92.8%

Seoni, Madhya Pradesh 480661, India

Apr 2020 – May 2021

## Experience

### Project Engineer

May 2025 – Sept 2025

Kalvium, Bangalore, India

- Built AI-powered educational web applications for **Kalvium**, leveraging a **React.js** frontend and **Java Spring Boot** backend to generate, manage, and deliver interactive learning content using AI-driven algorithms.
- Deployed cloud-native applications on **AWS/GCP** with Docker & Kubernetes; optimized CI/CD pipelines, reducing release cycles by 30%.

### Data Scientist & Backend Developer

June 2024 – Sept 2024

Zidio Development, Chennai, India

- Engineered predictive ML models using Python and scikit-learn, deployed via Flask APIs in Docker containers.
- Reduced risk analysis time by 40% through automated model predictions and real-time data processing.
- Built interactive React dashboards with D3.js and Plotly for financial insights and data visualization.
- Live Demo: Doctor Dashboard Application.

### Mobile Developer & Data Analyst

Jan 2023 – June 2025

SRM Hospitals, Chennai, Tamil Nadu 600031, India

- Developed cross-platform mobile application using **Flutter & Firebase** with HIPAA-compliant data security.
- Designed analytics dashboards using Python, SQL, and Tableau, improving hospital operational efficiency by 30%.
- Published App: Parental Eye on Google Play Store.

## Key Projects

### Blockchain-Secured PII Data Masking | Ethereum, Solidity, React

2024

- Designed blockchain-based document security system with immutable audit trails ensuring 99.99% data integrity.
- Implemented smart contracts for automated data masking and privacy protection in financial documents.
- Winner – HackLysr 3.0 by Atos (2024)** for robust decentralized financial data protection.
- GitHub: [github.com/Harsh067899/PII-SECURE](https://github.com/Harsh067899/PII-SECURE).

### 6G AI-Native Network Slice Orchestration | TensorFlow, Kubernetes, gRPC

2025

- Built AI-driven orchestration system using reinforcement learning for dynamic 6G network resource allocation.
- Optimized network slice utilization by 45% through intelligent traffic prediction and load balancing.
- Winner – United Nations 6G Hackathon (Delhi, Vigyan Bhawan, 2025).**
- GitHub: [github.com/Harsh067899/Build-A-Thon-SRM](https://github.com/Harsh067899/Build-A-Thon-SRM).

### Multi-Agent Automation System | Python, NLP, Google APIs

2024

- Developed multi-agent architecture integrating voice assistant with Google Sheets & Forms for workflow automation.
- Enabled automated HR onboarding, student feedback collection, and reporting, reducing manual workload by 70%.
- Second Prize – ACM SIGKDD Student Innovation Challenge (2025).**

## Achievements & Recognition

Global Rank 496 – **TCS CodeVita** (Top 1% globally among 300,000+ participants).

Top 2000 – **Meta Hacker Cup** in algorithm design and optimization challenges.

Top 2% – **NPTEL Python for Data Science** certification with distinction.

**Research Publication** – “Real-Time Fraud Detection with Deep Learning” (IEEE ICPR).

## Technical Skills

**Programming Languages:** Java, C++, Python, JavaScript, TypeScript, SQL, Solidity

**Web & Mobile Development:** React.js, Node.js, Express, Spring Boot, Flutter, RESTful APIs

**Data Science & AI:** TensorFlow, PyTorch, scikit-learn, Pandas, NumPy, Matplotlib, D3.js, Plotly

**Cloud & DevOps:** AWS, Google Cloud Platform, Docker, Kubernetes, CI/CD Pipelines

**Databases & Tools:** MySQL, PostgreSQL, MongoDB, Firebase, Git, Linux, Tableau

**Specialized:** Blockchain Development, System Design, Microservices Architecture, API Development