

# Arpit Satpute

## Full Stack and Blockchain Developer

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Full-Stack & Blockchain Engineer skilled in building real-world, production-ready applications end-to-end — spanning backend APIs, frontend interfaces, databases, and smart contracts. Known for clean architecture, rapid execution, and strong ownership across the entire development lifecycle.

### TECHNICAL SKILLS

**Languages:** • Java • JavaScript(ES6+) • SQL • Python • Solidity • TypeScript

**Frameworks:** • Spring • Spring Boot • Spring Security • React • React Native • Tailwind CSS • Bootstrap

**Databases & Storage:** • PostgreSQL • MySQL • MongoDB • Redis • ORM (JPA/Hibernate) • IPFS

**Tools & Platforms:** • Docker • Git • GitHub • Maven • Gradle • RabbitMQ

**DevOps & Cloud:** • Microservices • RESTful APIs • CI/CD • JWT Authentication

**Blockchain and Web3:** • Foundry • OpenZeppelin • Wagmi/Viem • ERC-1155 • ERC-4626 • EIP-712 • ERC20

### PROJECTS

#### INSIGHT-YIELD – Autonomous DeFi Yield Optimization Engine

[Github](#) | Oct 2025

<https://insight-yield.vercel.app>

**Technologies:** Solidity, Python, React, Foundry, Wagmi/Viem, Openzeppelin, MongoDB,

- Designed a modular **ERC-4626 Vault system** on **Polygon** enabling automated yield strategies and composable integration with **DeFi protocols**.
- Built a **custom Python AI engine** for real-time **risk scoring, APY forecasting, and optimal capital distribution**.
- Implemented an **EIP-712 verification** flow ensuring all AI recommendations are authenticated and tamper-proof on-chain.

#### SKEDULA – Centralised Portal for Appointment and Business Management

[Github](#) | Aug 2025

<https://skedula-customer.vercel.app> || <https://skedula-business.vercel.app>

**Technologies:** Spring Boot, React, Redis, RabbitMQ, Docker, PostgreSQL, Razorpay

- Built a comprehensive **full-stack platform** enabling diverse businesses to **seamlessly host services** and efficiently manage **end-to-end appointments**.
- Developed an intuitive **customer module** for effortless service search and smooth bookings, significantly reducing overall **scheduling time**.
- Integrated a secure **Razorpay wallet** system supporting add flows with strong **encryption** and reliable, consistently safe **transaction handling**.
- Implemented **real-time notifications** through **RabbitMQ**, boosting **customer engagement**, and deployed cloud-ready **Docker containers** ensuring high availability.

### ACHIEVEMENTS

- **Technex Hackathon- 1st Runner-Up** (Jan 2025): Secured 1st Runner-Up for the LeafLink platform out of 600+ participants at St. Vincent Pallotti College of Engineering.
- **Enkryptia Hackathon- 2nd Runner-Up** (Oct 2024): Developed the mentorship platform, earning 2nd Runner-Up among 25+ teams at Government Polytechnic, Nagpur.

### EDUCATION

#### Bachelor of Technology in Computer Science and Engineering

2022 - 2026

JD College of Engineering and Management, Nagpur

CGPA: 9.5/10

### SOFT SKILLS

- Leadership (Lead hackathon team to 1st & 2nd place) • Time Management (24-48hr prototypes) • Teamwork
- Critical Thinking • Collaboration • Attention to Detail • Adaptability • Communication • Problem Solving