

# ADITYA SHEREGAR

## AI-ML INTERN

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## EDUCATION

### B.TECH IN COMPUTER SCIENCE AND ENGINEERING

Dayananda Sagar University, Bengaluru

Expected Graduation in Aug 2028

AI & ML Engineering student skilled in building intelligent systems and full-stack web applications. Experienced in ML algorithms, reinforcement learning, NLP, and backend development (Python/Flask). Passionate about designing scalable websites and won a hackathon for an innovative web solution. Focused on clean architecture, optimization, and continuous learning.

## SKILLS

- Programming Languages: Python, C, C++, Java
- AI & ML: Reinforcement Learning, ML Algorithms
- Frontend Development: (HTML5, CSS3, JavaScript, React.js, Next.js)
- Backend development: (Python/Flask, Node.js, Express.js, MongoDB, MySQL)
- Collaboration & Leadership: Teamwork, Leadership, Effective Communication, Problem Solving, Critical Thinking
- Tools & Technologies: Git, GitHub, Postman, VS Code, npm, Vercel, Netlify
- Testing & Deployment: Jest, React Testing Library, RESTful APIs, CI/CD
- Time Management, Prioritization, Analytical Thinking

## Awards & Honors

Secured first place in the Bharat-ID-Shield challenge at Christ University by developing a robust shield model for secure digital identities, integrating encryption, blockchain audit trails and threat-detection logic.

## PROJECTS

### Bharat-ID-AiDeVote – AI-Powered Decentralized Voting System (ReactJS, Flask, Python, Blockchain, TensorFlow)

- Designed and implemented a blockchain-based voting framework to eliminate voter fraud and ensure auditability.
- Integrated Bharat-ID decentralized digital identity for voter verification using AI-driven facial and document recognition.
- Developed the Flask-based backend for vote encryption, tallying, and real-time blockchain transaction logging.
- Ensured end-to-end privacy through cryptographic hashing, multi-layer authentication, and secure REST APIs.

### Mobile-Based Secure Blockchain Voting System

- Developed a mobile voting platform with candidate bio-data display and multi-language support (Hindi, Kannada, English, Marathi, Telugu).
- Implemented Aadhaar and voter ID verification integrated with government databases for secure and eligible voting.
- Integrated blockchain to maintain an immutable, tamper-proof ledger of all votes.
- Applied advanced cybersecurity and encryption techniques to protect voter data and prevent hacking.
- Designed a real-time analytics dashboard for live monitoring of votes and voter participation, supporting online and offline modes.
- [GitHub Repository](#)

## VOLUNTEER EXPERIENCE

IEEE MEMBER

WEB-MASTER : ACM-DSU

DAYANANDA SAGAR UNIVERSITY

- Spearheaded and managed a core organizing team to plan, coordinate, and executed inter college hackathon.
- Served as a volunteer and was a host for QUIZ competition in IEEE event at DAYANANDA SAGAR UNIVERSITY