

Himanshu B A

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EDUCATION

Dayananda Sagar College of Engineering

B.E., Information Science and Engineering

Nov 2023 – Present

Bangalore, India

SJM Polytechnic

Diploma, Computer Science and Engineering

Nov 2020 – May 2023

Chitradurga, India

EXPERIENCE

Indian Space Research Organisation (ISRO)

Intern – NISAR Payload Monitoring

Feb 2025 – Mar 2025

Bangalore, India

- Developed real-time dashboard for satellite telemetry, cutting anomaly triage time by 40% (from 5 to 3 minutes).
- Trained CNN model to detect eclipse-phase anomalies with 92% accuracy and under 2% false positives.
- Processed and visualized 500+ MB daily telemetry using Python (pandas, matplotlib) to identify key indicators.

Bluestock Fintech

SDE Intern – Platform Development

Dec 2024 – Jan 2025

Remote

- Fixed 12 critical bugs in Node.js and React microservices, improving API latency by 18%.
- Redesigned client dashboard architecture, increasing weekly active users by 25%.
- Automated CI/CD pipelines with Jenkins, reducing release time from 30 to 10 minutes.

RLogic Technologies

AI/ML Intern

Jun 2023 – Aug 2023

Chitradurga, India

- Built yield forecasting model for smart farming, improving R^2 from 0.68 to 0.78 with gradient-boosted ensembles.
- Performed EDA on 20k+ sensor records and delivered interactive Jupyter notebooks for agronomists.

PROJECTS

Trust in Transparency – Blockchain Evidence Integrity

Solidity, IPFS, Web3.js

Mar 2024 – Present

- Designed Ethereum smart contracts to notarize legal/media evidence at under 0.50 gas cost per item.
- Implemented Merkle-tree batching, reducing transaction fees by 35% while ensuring immutability.

Stock Price Prediction Web App

Python, Streamlit, Scikit-learn, NewsAPI

May 2023 – Jul 2023

- Released Streamlit app forecasting next-day stock prices with mean absolute error below 2.1%.
- Integrated NewsAPI sentiment analysis, boosting model F1 score by 8%.

SJM Vidyapeta – Unified Institutional Portal

HTML, CSS, JavaScript, Node.js

Jan 2023 – Mar 2023

- Launched platform serving 6 institutions, gaining 1.5k monthly users in first quarter.
- Implemented secure forms and REST APIs with Express/Node backend.

TECHNICAL SKILLS

- Languages:** Python, JavaScript/TypeScript, Solidity, SQL, HTML/CSS
- Frameworks/Libs:** Node.js, Express, React, Streamlit, Scikit-learn, Pandas, NumPy, Matplotlib
- DevOps:** Git, GitHub, Jenkins, Jira, Docker, Linux
- Blockchain:** Web3.js, Hardhat, IPFS