

ABHINAND A S

COMPUTER SCIENCE UNDERGRADUATE

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SUMMARY

Computer Science undergraduate student with hands-on experience in space-data visualization and machine learning projects. Actively engaged in developing scientific applications using NASA datasets and modern visualization frameworks. Aspiring to contribute to ISRO's research and space technology initiatives through an internship.

PROJECTS

Celestia - an habitable exoplanet navigator

- Developed a 3D scientific visualization platform for exploring habitable exoplanets using real NASA datasets.
- Made using React.js, Three.js, HTML and CSS.

Vibify - an emotion detecting music player

- Made for project expo hackathon held in MACE Kothamangalam 2024.
- Implemented emotion classification using a trained facial image dataset (~5000 images) with a Python-based backend.

TECHNICAL SKILLS

- **Programming** : C, Java, JavaScript, Python
- **Core CS** : Data Structures, Databases
- **Web & Visualization** : React.js, Three.js, HTML, CSS
- **Interests** : Scientific Visualization, Space Data Analysis
- **Mobile** : Flutter

EDUCATION

Bachelor of Technology

September 2023 - present

College of Engineering Attingal

- Major in Computer Science
- CGPA (till S5) = 7.92

Diploma

May 2023 - October 2023

C-DIT Kerala

- Major in Computer Applications (First class with Distinction)

Higher Secondary Education

June 2020 - March 2022

Government Higher Secondary School, Anavoor

- Biology Science (91.58%)

10 th Grade

June 2019 - March 2020

Trinity English and Malayalam Medium HS, Edacode

- Full A+

AWARDS AND CERTIFICATIONS

- **Awards** : NASA Space Apps Challenge 2024, Local Award Winner at Trivandrum
NASA Space Apps Challenge 2025, Global Nominee from Kannur
- **Certifications** : The Complete 2024 Web Development Bootcamp by Udemy,
Flutter Mobile App Development Certificate by Stem Robotics.

Research Interests : Space data visualization, Exoplanet analysis, Machine learning for scientific applications.