

B Srinivasa Ranganath

B.Tech - (2020-24)

Computer Science Engineering

Institute of Aeronautical Engineering, Hyderabad

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EDUCATION

•Institute of Aeronautical Engineering, Hyderabad

B.Tech in Computer Science and Engineering

Nov 2020 - June 2024

EXPERIENCE

Freelance

March 2025 – August 2025

Front end Developer – BookNest Project | Github | Live

- Built a full-featured online bookstore enabling users to browse, search, purchase, and manage books seamlessly.
- Implemented core functionalities including user authentication, book discovery, and shopping cart using Node.js, Express.js, and MongoDB.
- Developed and integrated RESTful APIs to support dynamic frontend interactions and real-time updates.
- Deployed the app on Render and managed the codebase on GitHub to ensure continuous integration and version control.

PROJECTS

•Github User Finder

Jan 2025 - Feb 2025

Web Development

Github

- Built a web application that allows users to search Github profiles and view essential details such as avatar, bio, followers, following, and repositories.
- Technologies: JavaScript, API

•Weather Application

Feb 2025 - Mar 2025

Web Development

Github

- Build a full stack web application - A social media app to connect and follow people and also share, view, like, and comment on each other's posts
- Technologies: JavaScript, Open Weather Map API

•Reinforcement Learning-Based Hyperspectral Image Classification

Nov 2023 - Mar 2024

Machine learning

Github, Paper

- Developed a binary entropy method for hyperspectral image classification to analyze spectral data efficiently and Leveraged reinforcement learning to enhance classification accuracy in remote sensing applications.
- Technologies: Python, TensorFlow, NumPy, Matplotlib, SciKit-Learn

•Discord Music Bot for Medical Therapy

Dec 2022 - Mar 2023

Web Development

Github

- Developed a binary entropy method for hyperspectral image classification to analyze spectral data efficiently and Integrated Discord API and YouTube API for seamless music streaming within Discord servers.
- Technologies: React js ,Node.js, Discord.js, YouTube API, JavaScript

TECHNICAL SKILLS

- **Programming:** Python
- **Development:** HTML, CSS, JavaScript, Node.js, Express.js
- **Databases:** SQL, MongoDB
- **Soft Skills:** Problem-Solving, Team Collaboration, Time Management, Communication

TRAININGS AND CERTIFICATIONS

•Coding Ninjas

Full Stack Web Development

Sep 2024 – June 2025

- Generative Ai
- Front-End Development
- Back-End Development

ACHIEVEMENTS

Recognized by Dr. L. V. Narasimha Prasad at METE Project Expo for a therapeutic music project promoting patient well-being. Event held on Feb 7th to 8th, 2023; recognition on Mar 10, 2023.