

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

•Full Stack Developer (Freelance Project)

FlashConnect - Social Networking Platform

July 2025 - Present

- Designed and developed FlashConnect, a professional social networking application for building and managing connections.
- Implemented features for user registration, profile management, connection requests, and real-time messaging.
- Focused on ensuring a seamless and engaging user experience with intuitive navigation and responsive design.
- Integrated scalable backend APIs to support communication and secure data management.
- Technologies: Spring Boot, React.js, REST API, Java

•BookNest - Online Bookstore

March 2025 - August 2025

Full Stack Development

Github / Live

- Engineered a full-featured online bookstore, creating a seamless experience for users to browse, search, purchase, and manage books.
- Authored a robust user authentication system, book discovery, and dynamic shopping cart functionalities, forming the core of the application.
- Developed and integrated a suite of RESTful APIs to power dynamic frontend interactions and ensure real-time updates.
- Technologies: Node.js, Express.js, EJS, MongoDB, Firewall, REST API

PROJECTS

•Github User Finder

Jan 2025 - Feb 2025

Web Development

Github / Live

- 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 / Live

- Developed a responsive web application that provides real-time weather information based on user-input locations.
- Integrated with the Open Weather Map API to fetch and display current temperature, humidity, wind speed, and weather conditions.
- 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 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, React 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

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.