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

•**Full Stack Developer (Freelance Project)**
BookNest - Online Bookstore   *March 2025 – August 2025*
  – 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.
  – 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.
  – Technologies: Node.js, Express.js, EJS, MongoDB, Firewall, REST API
  – Source: Github | Live

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, 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.