Niranjana K S

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https://github.com/NIRANJANA-03

Objective

A passionate and detail-oriented Computer Science student with hands-on experience in full-stack web development. Looking for opportunities to apply problem solving skills and technical expertise to innovative projects in a dynamic environment.

Experience

Project Intern, National Remote Sensing Centre, ISRO – Hyderabad   Dec 2024 – Jan 2025
- Automated the NRSC student internship process, reducing processing time by 70%.
- Built a multi-threaded dashboard for 1K+ NRSC employees to monitor training programs.
- Designed a robust data management system for seamless tracking and retrieval.
- Python, Django, HTML, CSS, JavaScript, PostgreSQL.

Web Developer, NAAM Community Website, JNV-P – Remote   Feb 2024 – Jul 2024
- Developed a full-stack website for Navodaya Alumni Association Malampuzha (24K+ users) with a responsive design.
- Built an intuitive user interface ensuring seamless accessibility across devices.
- Integrated real-time database functionality for efficient data management.
- React.js, Next.js, Chakra UI, React Quill, Firebase.

Projects

Budget-Buddy | Financial Management Web Application   Github link
- Developed a web application to track daily income and expenses with expense predictions.
- Built using Django (backend), SQLite (database), HTML, CSS, and JavaScript (frontend).
- Worked in a Linux environment, focusing on performance optimization and seamless deployment.

Life-Lens | Health Condition Prediction Based on Lifestyle   Github link
- Developed a machine learning pipeline to predict health conditions using lifestyle data like diet, exercise, smoking, etc.
- Implemented the backend with Python Flask. Created a user-friendly interactive frontend using HTML, CSS, and JavaScript.

Stellar-Vision | AI-Based Astronomical Object Classification   Github link
- Achieved 98% accuracy in classifying stars, galaxies, and quasars based on their spectral characteristics, using a random forest model.
- Integrated user-friendly features for real-time classification, dataset input, and result visualization using a Tkinter-based GUI.
- Developed using Python, with Joblib for model serialization and Scikit-learn for machine learning.

QuickBid | E-Commerce Auction Site   Github Link
- Developed an e-commerce auction site allowing users to post auction listings, place bids, comment, and add items to a watchlist.
- Built using Python, Django, HTML, CSS, and JavaScript.
- Implemented models for users, auction listings, bids, and comments.
- Features include live bidding, watchlist management, category filtering, and admin controls via Django Admin.

Skills

Programming Languages: C, Python, Java, JavaScript

Frameworks/Libraries: Django, Flask, Tkinter, ReactJS, Next.js, HTML, CSS

Tools: Firebase, Git, GitHub, Linux/Unix

Database: MySQL, PostgreSQL, SQLite

Education

University College of Engineering, B.Tech in Computer Science & Engineering   2021-2025
- CGPA: 8.84 / 10.0

Palghat Lions School Senior Secondary, Class 12 – Palakkad   Grad. 2021
- Percentage: 90.2%

Jawahar Navodaya Vidyalaya, Class 10 – Malampuzha   Grad. 2019
- Percentage: 92.6%

Achievements and Certifications

- **Harvard University** | CS50's Web Programming with Python and JavaScript Certification.
- **Infosys SpringBoard** | Certifications in AI Primer and Agile Scrum in Practice.
- **Campus Ambassador** | Kerala Knowledge Economy Mission.
- **Young Innovator** | Selected for the YIP 6.0 District-Level Competition.