ARYAN SHRIVASTAVA

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EXPERIENCE

Research Intern at Centre for Innovation and Entrepreneurship (CIE) IIIT Hyderabad, India
Machine Learning for Sickle Cell Detection — Ongoing
- Working on developing an algorithm using machine learning techniques to detect sickle cell patients.

Research Intern at Centre for Innovation and Entrepreneurship (CIE) IIIT Hyderabad, India
Korotkoff Sound-based Blood Pressure Monitoring System — Ongoing
- Developing an automated device to measure blood pressure by detecting Korotkoff sounds.
- Engaged in system design and signal analysis in collaboration with a medical-tech startup.

PROJECTS

Photo and Audio Slideshow Web Application
- Built a full-stack web app for creating slideshow videos with image uploads, audio integration, and video customization.
- Implemented secure authentication using Flask's `flask-login` and scalable media storage with CockroachDB.
- Deployed on Render to ensure high availability and seamless user access.

Lost&Found Website
- Built a React based `Lost&Found` webiste using Firebase during college hackathon.
- Implemented user authentication, item listing, and search functionality to streamline lost item recovery.
- Built for users to report lost items and for finders to list and return found items.
- Tech stack: React.js, Node.js, Firebase, and Tailwind CSS.

Food Delivery website
- Build Full Stack Food Ordering Website using React JS, MongoDB, Express, Node JS Stripe.
- Created the Frontend website, Admin Panel and Backend server.
- Integrated the Stripe payment gateway to place the order and with online payment

C Shell
- A command interpreter similar to Bash, implemented in C Enables process handling, piping/redirection, and includes both built-in and system commands.
- Enabled user-defined aliases for enhanced customization.

EDUCATION

International Institute of Information Technology Hyderabad — Hyderabad, India
B.Tech in ECE : Recent SGPA: 8.62, CGPA: 8.02 — Expected : 2027

Sun Valley International School — Ghaziabad, UP, India
Class XII CBSE; 95% — 2023

TECHNICAL SKILLS

Languages: Python, C++, JS, SQL, Bash
Libraries: Pandas, NumPy, Matplotlib, D3.js
Frameworks: React, Node.js, TensorFlow, Tailwind CSS
Tools: Git, VSCode, Linux, LaTeX

RELEVANT COURSES

Programming: Computer Programming, DSA.
System Design: Operating Systems.
Mathematics: Linear Algebra, Probability and Random Processes, Real Analysis.