

Aryan

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PROFILE

I am a 3rd-year student of Computer Science and Engineering with a keen interest in math and problem-solving. I enjoy working in teams and feel that the secret to success is good communication and great interpersonal relationships. Whether attempting something new or working on a project, I'm always eager to learn and share. I enjoy developing as a techie as well as a team player and am always on the lookout for opportunities where I can actually contribute.

SKILLS

Programming & Scripting

C, C++, Python, JavaScript

Machine Learning & Deep Learning

TensorFlow, Keras, Scikit-learn, OpenCV

Data Science & Analytics

Pandas, NumPy, SciPy, Matplotlib, Excel

Frontend & Web Technologies

HTML, CSS, JavaScript

Database Management

MySQL, MongoDB, Prisma

PROFESSIONAL EXPERIENCE

Operations Head

03/2025 – present

Bindisha Agritech

- Lead operations for an innovative agritech startup focused on developing and distributing soil testing kits.
- Spearheaded efforts to ensure the kits reach farmers and communities in need.
- Played a vital role in managing supply chains, outreach, and customer education initiatives.

PROJECTS

Real-time Face Authentication System

- Developed a real-time face authentication system using Face API.js, enabling secure and seamless user verification.
- Implemented face detection and recognition algorithms, ensuring high accuracy and low latency in authentication
- Designed a scalable backend with Node.js and Prisma ORM, integrating MongoDB for efficient face descriptor
- Built an intuitive React.js frontend for user registration and authentication, featuring real-time face scanning and
- Optimized system performance by leveraging WebRTC for live video processing and WebSockets for real-time event

CNN Model for Plastic Waste Identification

- Developed a Convolutional Neural Network (CNN) using TensorFlow and Keras to classify plastic waste into multiple categories.
- Applied OpenCV for image preprocessing and applied data augmentation and transfer learning to enhance model performance..
- Achieved 95% classification accuracy on the test dataset.

Carbon Footprint Tracker

- Designed and built a carbon footprint tracking system with AI-driven insights using TypeScript, Prisma, and JavaScript.
- Developed a user-friendly dashboard for tracking progress and behavioral insights.

EXTRACURRICULAR ACTIVITIES

Active Member – Learn IT Club

08/2024 – present

- Contributed actively to club initiatives aimed at spreading IT awareness and skill development.
- Helped organize "Disha," an impactful career-oriented event featuring renowned educator and YouTuber **Sanchit Anand Sir**, as part of the **Great Career Yatra**.
- Facilitated event logistics and student engagement.