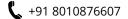
Sahil Kandhare









EDUCATION

Rajarshi Shahu College of Engineering Bachelor of Engineering, Computer, CGPA - 9.69

2020 - 2024

Laxman Rao Apte Junior College

Pune

Pune

Higher Secondary Certificate, Percentage - 91.23

2018 - 2020

SOFTWARE PROJECTS

SIGHT [(Anomaly Detection System)

- S.I.G.H.T. is a real-time geospatial surveillance and anomaly detection system.
- It achieves a remarkable 93.8% precision in detecting car accidents within CCTV surveillance.
- It streamlines anomaly detection through an integrated video analyzer, offering users automatic event detection and precise timestamps which has save user's time by avoiding manual monitoring.
- The system currently identifies 2 anomalous events viz. Fight detection and Accident detection.
- Tech-Stack: OpenCV, YOLOv8, React.js, Django, Django-Rest-Framework, SQlite.

AssembleScript 🔼 | (Programming Language and Interpreter)

- Developed AssembleScript, an interpreter and a programming language.
- Created a web-based programming environment, providing users with a comprehensive and accessible platform for coding and development.
- Tech-Stack: TypeScript, React.js, Bootstrap.

<u>Trinity-2023</u> [2] (Web Application)

- Built an event website, Trinity 2023, specifically designed for the ACM RSCOES's Trinity 2023 bootcamp.
- · Designed and integrated a participation form with Google Sheet API as the backend, resulting in a userfriendly UI that efficiently handled 100+ overnight registrations for the event.
- Additionally, created a custom Quiz platform used by approximately 40 event participants to evaluate their performance.
- Tech-Stack: Three.js, NodeJS, MongoDB, React.js, Blender, Vite (Bundler).

TECHNICAL SKILLS

- Data Structures and Algorithms, Object Oriented Programming, DBMS, Computer Networks.
- Languages: C/C++, SQL, JavaScript. HTML, CSS / SCSS
- Frameworks/Libraries: React.js, Three.js, React three fiber.
- Web Development: Node.js, Express.js, RESTful API, Bootstrap, Databases(MySQL, MongoDB)
- TOOLS: Git-GitHub, Blender, Figma, VSCode.

PUBLICATIONS

Survey Paper: (Detection of Anomaly using Machine Learning: A Comprehensive Survey)

- Journal: IJETAE, ISO Certified, SCOPUS Indexed International Journal. Cited by 3
- In this paper we have surveyed 101 research articles describing ML techniques for anomaly detection.

Reserach Paper: (Real-Time Vehicle Accident Recognition from Traffic Video Surveillance using YOLOV8 ...)

- Journal: <u>IJRITCC</u>, **SCOPUS Indexed International Journal**.
- Presented an ensemble model utilizing YOLOv8 for precise traffic accident detection.
- Achieved substantial improvements with 93.8% precision, 98% recall, and 96.1% mAP, demonstrating its real-time traffic surveillance effectiveness.

ACHIEVEMENTS

- LeetCode Coder: Rated as a 3-star coder with a maximum rating of 1600 (top 22.1% worldwide) and having solved **750+ problems**. [LeetCode Profile]
- Tech Innovation: Second runner-up in the PCMC Swachh Innovative Challenge at the district level.
- Academic Excellence: Ranked 2nd in FYBtech and 1st in TYBtech in college.