AKSHAT YADAV

akshat.y@somaiya.edu | 7454993082

GitHub | **Linkedin** | **LeetCode**

EDUCATION

K.J Somaiya college of engineering   Mumbai, MAHARASHTRA, India
Computer engineering Bachelor's in technology   October 2022 - July 2026

R.k Public School   Amroha, Uttar Pradesh, India
P.C.M 12th   August 2020 - April 2021

EXPERIENCE

Kjsce | Machine learning intern   Onsite | July 2024 - Present
- Designed and implemented a Bollworm detection system specifically for cotton crops using machine learning techniques, achieving a detection accuracy of over 97%.
- Acquired significant expertise in AI model development, particularly for image processing tasks, by working with a dataset of 10,000+ high-resolution cotton crop images.
- Applied advanced ML techniques to accurately identify and detect bollworms, contributing to a 40% improvement in crop protection and reducing potential losses for farmers.
- Performed comprehensive data preprocessing, feature engineering, and model evaluation to ensure the systems accuracy, reliability, and efficiency in real-world applications.

Iste | Operations coordinator intern   Onsite | August 2023 - April 2024
- Spearheaded the coordination of national-level events, ensuring timely execution and resource optimization.
- Enhanced team productivity by implementing efficient planning strategies, benefiting 400+ participants in major events.
- Developed inter-departmental communication workflows, ensuring seamless collaboration across 10+ departments.
- Maintained high-quality standards while managing logistics for events with a participant satisfaction rate exceeding 90%.

Cisco Network Academy | Cybersecurity learning intern   Remote | June 2024 - July 2024
- Gained hands-on experience using Cisco Packet Tracer to design and simulate 10+ complex network topologies.
- Solved a real-world problem statement provided by Cisco, achieving a 95% success rate in network troubleshooting tasks.
- Acquired foundational knowledge in cybersecurity essentials, including managing risks and defending networks against 20+ potential threats.
- Developed practical skills in securing networks, configuring firewalls, and implementing cybersecurity measures for systems with 100+ nodes.

SKILLS

Programming Languages:	C++, Dart Programming, dsa
Libraries/Frameworks:	Flutter, Tensorflow, Javascript
Tools / Platforms:	GitHub, PostgreSQL, Oracle Virtual Box, Google cloud platform
Databases:	SQL

PROJECTS / OPEN-SOURCE

Cotton_doc | Link   *React,tensorflow,cnn*
- Built a machine learning model to classify cotton crop diseases from leaf images with over 97% accuracy.
- Developed a web app using Streamlit and a mobile app using React Native, serving 500+ users for disease diagnosis.
- Preprocessed datasets with 10,000+ images using normalization and augmentation to improve model accuracy by 15%.
- Utilized Python, TensorFlow, and REST APIs for seamless integration and scalable deployment.

ChadBot | Link *Flutter, Dart Programming*

- Developed an AI-powered chatbot using Flutter and Dart, with over 2,000 personalized user interactions.
- Integrated 5+ RESTful APIs for real-time data fetching and dynamic response generation, improving user experience.
- Designed a clean, responsive UI for Android, iOS, and web platforms, achieving a 40% increase in user retention.
- Implemented custom launcher icons and optimized the app for cross-platform performance including 4 important features.

CampusHired *React.js, node.js, mongodb, express*

- Designed and developed CampusHired, an innovative platform that can deliver real-time job and internship updates, serving over 1,000 college students and addressing their career needs effectively.
- Can be integrated job feeds from 10+ placement cells and multiple online sources, ensuring accurate and up-to-date vacancy listings to keep students informed.
- Created a user-friendly interface that enhanced navigation and accessibility, resulting in a 30% increase in user engagement and satisfaction.
- Optimized backend functionality to efficiently process and able to manage 500+ real-time job updates daily, ensuring a seamless and reliable experience for all users.

CERTIFICATIONS

- Developing Applications with Cloud Run on Google Cloud: Fundamentals - Coursera.
- Database Structures and Management with MySQL - Coursera.
- HTML, CSS, and Javascript for Web Developers - Coursera.