Sadia Sakharkar
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EDUCATION

Dr. Babasaheb Ambedkar Technological University, Lonere   2022 -2025
Diploma in Computer Engineering
- Specialized coursework: Data Structures, Object-Oriented Programming, Database Management Systems, Operating Systems, Software Engineering, Computer Networks, Python & Java Programming, Mobile App Development
- Consistently maintained top-tier academic performance with strong analytical and problem-solving skills

INT Academy English School, Vani-Purar
Secondary School Certificate (SSC) | 89.20%   2022
- Excelled in Science and Mathematics, building a solid foundation for advanced computing concepts

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CORE SKILLS

Programming Languages: C, C++, Java, Python, JavaScript, SQL
Frameworks & Libraries: ReactJS, Node.js, Express.js, Streamlit, TensorFlow Lite, Android (Java), Capacitor
Databases: MySQL, MongoDB, Firebase Realtime Database, SQLite – proficient in database design, querying, and optimization
AI/ML & Data Science: Machine Learning model development (Decision Trees, Random Forest, XGBoost), data preprocessing, feature engineering, visualization using Matplotlib & Seaborn
Cloud & DevOps: Firebase Hosting, GitHub Actions, Continuous Deployment
Soft Skills: Strategic problem solving, adaptive learning, collaborative teamwork, leadership, effective communication, time and project management

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PROFESSIONAL EXPERIENCE

AI/ML Intern, Konect U   June 2024 – July 2024
- Engineered and fine-tuned high-accuracy predictive models (Decision Tree Regression) for crop yield forecasting using multi-source real-time data, driving actionable agricultural insights
- Automated end-to-end ML pipelines including data cleaning, transformation, and model validation, reducing deployment latency by 30%
- Collaborated with cross-functional teams to seamlessly integrate AI models into scalable web and mobile applications, elevating user experience and real-time performance

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PROJECTS

AgriYield Pro – Advanced Crop Yield Prediction System | Streamlit Web App   June 2024 – July 2024
- Designed and deployed a highly accurate Decision Tree Regression model to forecast crop yields by analyzing historical trends and sensor data
- Developed a user-centric Streamlit web application that empowers farmers with intuitive, data-driven recommendations, improving decision-making efficiency by 40%

WiseTrack – AI-Powered Platform | WISETRACK |ReactJS, NodeJS, Firebase, Capacitor   Aug 2024 – May 2025
- Architected and developed an end-to-end education management solution integrating dropout prediction (99.8% accuracy), smart attendance tracking, academic integrity checks, and mental health monitoring
- Implemented machine learning algorithms (Random Forest, XGBoost) for early dropout detection, achieving significant attrition rate reduction
- Leveraged ReactJS, NodeJS to build a responsive web platform; utilized Capacitor to transform it into a cross-platform mobile application
- Embedded gamification and multilingual support features aligned with NEP 2020 directives, driving engagement and inclusivity
- Presented the project at national hackathons, earning recognition for innovation and practical impact

Evento – Real-Time Event Management Mobile App | EVENTO | React Native, Firebase   Nov 2024 – Jan 2025
- Spearheaded development of a full-featured React Native app supporting real-time event registration, QR code attendance, Discord API integration, and live buzzer communication
- Delivered 70% of core functionalities within a high-pressure 24-hour hackathon using agile methodologies and rapid prototyping
- Employed Firebase for backend realtime database management and authentication, ensuring scalability and robust performance

Kali Linux Themed Personal Portfolio | ReactJS, CSS, JavaScript   May 2024
- Designed and developed a custom, Kali Linux-inspired portfolio website showcasing technical projects, skills, and cybersecurity interests.
- Integrated dynamic content and responsive design to create an immersive user experience reflecting Kali Linux aesthetics and functionality.
- Leveraged advanced CSS animations and React components to demonstrate proficiency in frontend development and UI/UX design.
- Portfolio hosted on kali-linux-portfolio.vercel.app with 500+ unique visitors showcasing strong personal branding and online presence.

ACHIEVEMENTS & RECOGNITION

- Awarded 1st Rank for Best Project Presentation at Dr. Babasaheb Ambedkar Technological University for innovative AI-based solutions (April 2025)
- Recognized for exceptional leadership, technical expertise, and effective communication in high-stakes hackathons and academic challenges
- Consistently praised for writing maintainable, high-performance code and delivering impactful projects under tight deadlines
- Collaborated successfully across cross-functional teams, facilitating knowledge sharing and team productivity enhancements

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CERTIFICATIONS

- **Advanced Web Development:** Mastery in HTML5, CSS3, JavaScript, ReactJS, Node.js – building responsive, user-centric applications
- **C Programming:** Proficient in system-level programming, memory management, data structures, and algorithm optimization
- **Automation Systems:** Developed automated workflows for industrial and business processes, leveraging modern scripting and programming tools