

Aniket Sudke

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Pune, Maharashtra - 412105, India

EXPERIENCE

• IndiaFirst Robotics

July 2024 - August 2024

Machine Learning Tester

Pune, India

- Developed optimized machine learning models, achieving improved accuracy and robustness across varying conditions.
- Implemented parameter tuning techniques, enhancing model precision and performance by a measurable margin.
- Automated testing was performed on diverse datasets, identifying critical factors influencing model behavior.

EDUCATION

• MIT Academy of Engineering Alandi

Jan 2021 - May 2025

B.Tech Electronic and Telecommunication

Pune, India

CGPA: 8.23/10

• Chhatrapati Shivaji Higher Secondary School

Jan 2019 - May 2021

PCM Group

Latur, India

Percentage: 96.67/100

• Saraswati Vidyalaya

June 2019

School

Latur, India

Percentage: 93/100

PROJECTS

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RankMarg : Personalize Practicing Platform

Sept 2024 - Present

Tools: Next.js 14, TypeScript, Prisma ORM, PostgreSQL, WebSockets, Turbo Repo, Tailwind CSS, Vercel



- * Developed real-time multiplayer challenges using WebSockets to boost student engagement.
- * Built an AI-based adaptive practice system with spaced repetition and mastery tracking.
- * Implemented scalable backend using Next.js (TypeScript) and Prisma ORM for optimized API performance.
- * Built a proctored test system with full-screen enforcement, activity tracking, and violation-based auto-submission.
- * Designed analytics dashboards to track student performance and learning gaps.

• Sleep Health and Lifestyle Analysis

Nov 2023

Tools: [Exploratory Data Analysis (EDA), Data Preprocessing, Data Visualization]



- Conducted data preprocessing and exploratory data analysis (EDA) to uncover relationships between health metrics such as stress, BMI, and sleep quality.
- Discovered that higher stress levels correlate with lower sleep quality, while increased physical activity aligns with longer sleep duration.

PATENTS AND PUBLICATIONS

C=CONFERENCE, J=JOURNAL, P=PATENT, S=IN SUBMISSION, T=THESIS

Aniket Sudke, et al. (2024). **ADVANCING AGRICULTURAL QUALITY CONTROL: AN AI-BASED WEB APPLICATION FOR DRY BEAN CLASSIFICATION USING MACHINE LEARNING MODELS.** *Sigma Journal of Engineering and Natural Sciences*, ISSN:1304-7191