

Kevin Doshi

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EDUCATION

Sardar Patel Institute of Technology

Bachelor of Technology in Computer Science Engineering (CGPA - **8.37**)

Mumbai, India

Aug. 2021 – May 2025

WORK EXPERIENCE AND POSITIONS OF RESPONSIBILITIES

Research Intern

Jan. 2024 – June 2024

Indian Institute of Technology, Bombay

Mumbai, India

- Analyzed power system components and their properties to diagnose and resolve system issues.
- Led the design and development of a platform for efficient mapping and data sharing of power system components.
- Authored comprehensive project documentation and user manuals to support future system modifications.

Teaching Assistant

Jan. 2024 – May 2024

Sardar Patel Institute of Technology (under Dr. Sudhir Dhage)

Mumbai, India

- Conducted lab sessions and provided conceptual guidance under the supervision of Dr. Sudhir Dhage for AIML peers.
- Assessed and graded lab experiments and projects, delivering constructive feedback to enhance learning.
- Monitored and reported student performance to the professor, ensuring continuous academic improvement.

Head of Finance

Aug. 2022 – Aug. 2023

IEEE S.P.I.T.

Mumbai, India

- Oversaw financial operations, prepared budgets, and ensured adherence to expenditure limits.
- Directed event management, public relations, and marketing initiatives for the committee.

PROJECTS

DeepShield(Deepfake Detection System) | Flask, Streamlit, TensorFlow, Open CV, Librosa

Feb. 2024 – Aug. 2024

- Achieved **high precision up to 96.13%** in detecting deepfake videos and audio using a **modular framework** that integrates advanced detection methods.
- Enhanced detection accuracy by combining **cutting-edge audio and sentiment analysis techniques** with meticulous frame-by-frame **image analysis**.
- Developed a robust **weighted average scoring system** to optimize the precision and reliability of deepfake detection.

Learnify(AI Learning Platform) | React, Django, TensorFlow, PyTorch, Python, PostgreSQL

Feb. 2024 – May 2024

- Provided K-12 education with **AI-driven personalized learning, featuring text-to-comic converters and summarizers**.
- Delivered **dashboard analytics, grade assessments, quiz tracking**, and accessibility features including **sign language generation and text-to-speech**.
- Integrated a code editor, **video recommendations, feedback chatbot, and virtual conferencing with whiteboard capabilities**.

VoltVault(Power System Database) | React, Next.js, MongoDB, Tailwind CSS, Firebase

May 2018 – May 2020

- Created a comprehensive power system database with secure **multi-role authentication** and an **intuitive interface** for adding and updating power system component information.
- Produced **detailed documentation and user manuals** to support continuous project development.
- Developed during IIT Bombay internship and **currently proposed to Tata Power**.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS

Libraries and Frameworks: Django, Flask, Next.js, React.js, Scikit-Learn, Matplotlib, NumPy, Pandas, TensorFlow, Keras

Databases: MongoDB, Prisma, Firebase, PostgreSQL, SQLite

Development Tools: Visual Studio Code, Google Workspace, WordPress, Microsoft Office, Anaconda

ACHIEVEMENTS

- Secured **first place in the Aeravat AI Hackathon** for AI in Security at S.P.I.T., Andheri - Feb 2024
- Currently developing a **patent on deepfake detection** utilizing a hybrid model with modular analysis for enhanced accuracy.
- Actively **contributing to prominent open-source projects**, including **Pandas, SciPy and Open-Deep-ML**.