HITANSHU GALA

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EDUCATION

SVKM's Dwarkadas Jivanlal Sanghvi College of Engineering *May 2027*
Information Technology

PERSONAL PROJECTS

Katha Kritique (Gen-AI) | MongoDB, React, Express, Node, Css GitHub
- **Crafted** an AI-driven website that automatically generates insightful book reviews using Gemini AI's language processing capabilities.
- **Engineered** an intuitive and responsive user interface using React and Css allowing users to interact with AI-generated reviews seamlessly.
- **Optimized** accurate and detailed book reviews, reducing the time for users to find quality reviews by 30%

Nirvana AI (Mental Health and Well-being Platform) (Google Gen-AI Team Project) | React, Node.js, Express, Mongo-DB GitHub
- **Created Nirvana AI**, an advanced mental health platform leveraging AI-powered virtual chatbots to provide personalized well-being support, acting as mental health coaches.
- **Integrated Google's Gemini LLM** to power the AI chatbot, offering tailored recommendations, coping strategies, and mental health exercises to enhance user support and well-being and improving user engagement by 25%.
- **Deployed** the frontend on Vercel, ensuring scalability and accessibility across multiple devices, enabling users to access mental health support from anywhere.

Apooch (Team Project) – M# Hackathon, MIT 2024 | *Flutter, Firebase, Flask, Render, Python, and Scikit-learn* GitHub
- **Ranked** as a **finalist** and ranked in the **top 28** teams out of **400** teams in the **M# Hackathon** (36-hour hackathon), showcasing **innovative solutions** and **teamwork.**
- **Designed** a comprehensive mobile app, Apooch, to serve as a one-stop solution for pet needs.
- **Implemented** backend features for user authentication using Firebase, and integrated an e-commerce platform for pet product sales.

AutoEstimatr | Python, Flask, Pandas, Scikit-learn GitHub
- **Launched** prediction model using linear regression to estimate vehicle prices based on 4+ features like brand, model and year.
- **Implemented** a user-friendly interface that allows users to input car features and receive instant price estimates, enhancing user experience and accessibility.
- **Achieved** model accuracy of **84.57%** that demonstrates strong explanatory power in predicting car prices.
- **Deployed** on Render, the application is live on Render, providing real-time car price estimations to users.

EXTRACURRICULARS

DJS-S4DS (Society For Data Science) | *Technical Co-Committee* *Aug 2024-Present*
- **Developed** the website for **DataHack 3.0**, a prominent Datathon, which garnered **1300+ registrations** and received **40,000+ views**, driving significant engagement and participation
- **Designed** a responsive and intuitive frontend that ensured smooth registration across devices, improving user experience.
- **Engineered** user registration processes and refined database integrations within a cross-functional team, resulting in seamless data processing that supported 1,300+ registrations for the DataHack 3.0 event without technical issues.

TECHNICAL SKILLS

Programming Languages: C, C++, Python, Java, JavaScript, HTML, CSS, SQL
Libraries & Frameworks: ReactJS, Express,Node.js, Flask, Flutter, NumPy, Pandas, TensorFlow, PyTorch, Matplotlib, BeautifulSoup Scikit-Learn, TailwindCSS, Streamlit
Tools & Platforms: Autocad, Git, GitHub, Figma, Canva, VS Code, Jupyter Notebook, MongoDB, Firebase, Docker, Google Cloud Platform

CERTIFICATIONS

Social Summer of Code 2024
IICPC Summer Camp 2024
Supervised Machine Learning: Regression and Classification
Google Cloud Study Jams