

SAMARTH ANAND BORADE

Los Angeles, CA | (213) 476-2975 | borade@usc.edu | <https://linkedin.com/in/samarthborade>

EDUCATION

University of Southern California
Master of Science in Computer Science

August 2025-Present

SVKM's Mukesh Patel School of Technology Management, Mumbai
Bachelor of Technology in Computer Engineering
GPA (3.91/4)

January 2022-December 2025

SVKM's Mukesh Patel School of Technology Management, Mumbai
Diploma in Computer Engineering
GPA (3.91/4)

January 2019-December 2021

PUBLICATIONS

Shri Vile Parle Kelavani Mandal's Narsee Monjee Institute of Management Studies, Mumbai Mukesh Patel School of Technology Management and Engineering
December 2023 - May 2024

- Research Title: Automated Classification of Musical Genres: A Machine Learning Approach with Random Forest and Feature Engineering
- Published research on automated classification of musical genres using Random Forest and feature engineering, included in Springer ICRTCIS 2024 proceedings (Algorithms for Intelligent Systems series)
- Hardcover ISBN: 978-981-97-7631-3
- eBook ISBN: 978-981-97-7632-0

ACADEMIC PROJECTS

OMNI.ai, Powered Website Generator, Mumbai ([Demo](#))

November 2024-March 2025

- Interacted with team of 4 | 2025 | React, Node.js, Vite, Yarn, WebContainer (WebAssembly), GPT, Claude, Groq, Ollama
- Built a full-stack app - converts natural language prompts into live websites with real-time in-browser code execution and preview using WebAssembly-powered WebContainer, all in under 2 minutes

SynthMaster, Ai-Horizon, Mumbai ([Demo](#))

August 2024-September 2024

- Constructed a synthetic dataset creation tool, integrating over 50 conversational formats across various LLMs
- Designed customizable options for GPU and cloud selection, model choice, and over 5+ output formats, enhancing flexibility, usability, and user control in synthetic dataset generation

DataSculptor, Ai-Horizon, Mumbai

June 2024-July 2024

- Engineered a tool for cleaning and curating 20+ LLM-generated datasets, improving data quality for downstream AI model training
- Constructed and integrated PII detection, toxicity filtering, language identification, and semantic search, enabling automated identification and removal of sensitive across thousands of records and improving dataset usability

ChatZilla, (Data Query System Using NLP and LLMs), Mumbai ([Demo](#))

April 2024-April 2024

- Aimed was to create an NLP-based assistant capable of querying data from structured formats- Excel and CSV files
- Utilized LLMs to interpret structured data, highlighting AI's role in automating data analysis and deepening expertise in NLP

WHO, (Voice Identification System Using CNN), Mumbai ([Demo](#))

February 2024-February 2024

- Formulated a CNN-based system to identify a speaker from a 3-second audio clip using spectrograms of voices
- Applied data augmentation on 500+ audio samples, revising model robustness and accuracy in speaker identification, while strengthening expertise in CNN-based audio processing

Simulation Operations Dashboard, Simulation Operations Dashboard, Mumbai

January 2023-January 2023

- Forecasted monthly data trends using a trained machine learning model to support operational planning
- Constructed 8 page Power BI dashboard with bar graphs, line charts, and slicers, enabling users to explore detailed data at granular levels

Dynamic Price Scoring, GATI & ECU Worldwide, Mumbai

December 2022-January 2023

- Developed a tool to evaluate sales performance and customer behavior through dynamic pricing strategies, analyzing data from over 10,000 transactions to identify trends

- Utilized market demand and supply metrics to optimize pricing decisions, resulting in a 5–8% increase in revenue per shipment and improved competitiveness in dynamic markets

TECHNICAL SKILLS

- Programming Languages : Python, JavaScript
- Web & UI/UX : HTML, CSS, React, Node.js, Figma, Photoshop, Bootstrap
- ML/AI : TensorFlow, PyTorch, LangChain, HuggingFace, LlamaIndex, etc.
- Data Science : Power BI, Pandas, NumPy, Statistical Analysis
- Other Tools : VS Code, IntelliJ IDEA, Postman, Adobe After Effects, Audacity

EXPERIENCE

AI-Engineer Intern

June 2024-September 2024

Ai-Horizon.io, Nexasprint Technologies Pvt Ltd, Mumbai

- Accelerated to development of a platform for AI Agents and agentic frameworks -RAG, RLHF, and LLM applications across industries such as insurance, logistics, and finance
- Played a key role in increasing company's valuation to \$2.4 million within three months by developing 40+ AI agents and working on core packages. Focused on integrating LLMs into practical applications

Data Scientist Intern

December 2022-June 2023

Allcargo Logistics Ltd, Mumbai

- Interned in the Data Science team, gaining practical skills in Power BI, dashboards, DAX language, and advanced Python
- Analyzed logistics data to optimize transportation, warehousing, and distribution processes, resulting in a 10% improvement in delivery efficiency and reduction of operational delays by 15%

CERTIFICATIONS

- Engaged a workshop on Google Cloud Community Day, Mumbai, joined with discussions on emerging trends in cloud computing, machine learning, AI, Gained valuable insights into latest advancements and industry practices (2023)
- Interacted in a workshop on Coding Workshop, "Hands on with Aryan Irani", Co-organized and taught a coding session for around 100 junior students. Focused on teaching basics and fundamentals of Python programming, including hands-on coding exercises. Helped students develop foundational programming skills, fostering an interest in software development (2023)
- Keynote speaker for online seminar "What is Blockchain?" (2023); explained blockchain fundamentals, applications, and impact on finance and technology, and led a Q&A session addressing participant questions

ACHIEVEMENTS

- Finalist, Cyber Cypher 3.0 (Advanced Level) Hackathon, NMIMS Mumbai: Competed in an 18-hour hackathon focusing on AI Agents, reaching final round, and showcasing innovative solutions (2024)
- Secured 1st position; winner of DronaHQ Hackathon (2020)
- Awarded The Student of the Year 2019 by The Times of India NIE (2019)
- Grabbed 2nd position in YES Science Expo (Mumbai:2017) by Reliance Energy (Project: Lamp made from E-waste) (2017)
- Acquired 3rd position in class for International Olympiad of English Language (Mumbai:2015-16)
- 31st rank all over Maharashtra for State Scholarship Exam (2013)

EXTRA CURRICULAR ACTIVITIES

- Technical Writer, "Welcome to the AI Wonderland" Series, initiated a series of articles aimed at demystifying complex AI concepts, focusing on LLMs and Generative AI (2024 - Present)
- Power BI Articles on Medium :Published a series with ~16.8k views; featured by the Microsoft Power BI publication (2023)
- Director, Writer, and Editor, "Silent Mode - Part 1: Lost Timing." Directed, wrote, and edited a short film titled "Silent Mode - Part 1: Lost Timing," available on YouTube, showcasing skills in storytelling and video production
- Creative Advertising : Designed advertisements for Rio Energy Drink, Dapper Dude Men's Care, and So Sindhi Restaurant (2024)
- Environmental Volunteer, Sahyadri Devrai NGO & Sanjay Gandhi National Park (2021–Present): Participated in tree plantation drives for over 3 years, supporting reforestation, environmental sustainability, and local wildlife. Assisted in organizing awareness events to educate communities on conservation
- Co-Founder, Mad Lads Studios (YouTube Channel), Developed and managed a YouTube channel featuring podcasts with renowned personalities, aimed at inspiring and encouraging youth (2021 - Present)