

DEVANG MESTRY

Mumbai, India

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EDUCATION

K. J. Somaiya Institute of Technology, Sion Dec 2021 – May 2025
B.Tech in Artificial Intelligence and Data Science - CGPA - 8.01 Mumbai, India

Innovative Public School, Mudhal Jun 2018 – Sept 2021
Higher Secondary Board Examination (HSC) - Percentage - 77.08% Kolhapur, India

Innovative Public School, Mudhal Jun 2015 – May 2018
Senior Secondary Board Examination (SSC) - Percentage - 92.50% Kolhapur, India

PROJECTS

DIETIFY ↗ | Python—Flutter—Gemini LLM May 2025

- Built Dietify, a cross-platform AI-powered diet consultation app using Flutter (frontend) and Django (backend), providing personalized nutrition plans based on user metrics (BMI, BMR, TDEE, dietary preferences, medical conditions) with secure, GDPR-compliant data handling.
- Implemented a hybrid recommendation engine combining collaborative filtering, rule-based logic, and Gemini LLM for natural language diet feedback, integrated with USDA and Open Food Facts APIs for real-time food logging and macro/micronutrient tracking.
- Achieved 90% functional accuracy and an 84/100 usability score, with planned extensions including AWS SageMaker for predictive analytics, CNN-based food recognition, wearable device integration, and multi-language accessibility support.
- Paper Published ↗ internationally through International Journal for Research in Applied Science and Engineering Technology (IJRASET).

Crack Detection using Deep Learning Solution ↗ | Python Kernel—Jupyter Notebook Sept 2024

- In this study we created a deep learning-based model for automated crack detection in hex nuts.
- We used a VGG16 CNN architecture and trained it on a dataset of 1081 images.
- The model achieved an accuracy of 94.17% and outperformed traditional methods in detecting cracks under various conditions.

Supply Chain Optimization ↗ | Python—SQL—Power BI Sept 2024

- Designed a data-driven strategy to minimize lead times and improve order fulfillment rates.
- Implemented predictive demand forecasting models, reducing inventory holding costs by 10%.

Enhanced AI-Powered Chatbot ↗ | React.js—TypeScript Jun 2024

- My implementation provides a more robust and user-friendly AI chat-bot experience, with real-time streaming responses, persistent chat history, and proper error handling.
- The server-side implementation uses Open AI's GPT model, but you can easily swap this out for another AI model of your choice.

Prod. Efficiency Enhancement Using IoT & Data Analytics ↗ | Python—MATLAB Jun 2024

- Integrated IoT sensors to monitor real-time machine performance and prevent unplanned downtimes.
- Implemented data analytics algorithms to optimize energy consumption.

Generic Music Player ↗ | React.js—TypeScript Dec 2023

- My major role was creating a generic music player involves designing the user interface, managing audio playback, handling files, ensuring platform compatibility, optimizing performance, and addressing errors.
- Also implemented additional features and allow for customization to enhance the user experience.

Pinnacle Industrial Controls Ltd. Expenditure-Manager ↗ | C#—Microsoft SQL Jun 2023

- Led the design and implementation of a user-friendly C# expense tracking application that improved data accuracy by eliminating manual entry errors; resulted in a 30% reduction in discrepancies reported during audits.
- It would typically focus on gathering requirements, designing the database, building the application architecture, coding and testing the application, and deploying it to the company's environment.

WORK EXPERIENCE

PHN Technology Pvt. Ltd. ↗

Technology Educator & Operational Executive | District Coordinator—Mumbai

June 2025 – Present

Mumbai, India

- Delivering hands-on training in AI, Robotics, IoT, and Embedded Systems to students and teachers, promoting 21st-century skills such as coding, innovation, and critical thinking.
- Conducted workshops, customized learning modules, and collaborated with schools/colleges to ensure effective program execution.
- Serving as District Coordinator, leading and managing a team of 12 Technology Educators & Operational Executives across the region.
- Oversaw regional operations including lab setups, institutional coordination, progress reporting, and smooth implementation of initiatives.
- Contributed to curriculum innovation, developed engaging training methodologies, and participated in real-world problem-solving initiatives.

Elevate Labs ↗

April 2025 – May 2025

Data Analyst - Internship

Bangalore, India

- Interned at Elevate Labs, where I completed 8 structured tasks over the first 15 days, focusing on core data analytics concepts and tools. In the following 15 days, I worked on 2 major projects, applied the skills I learned to real-world datasets, and presented meaningful insights.
- Gained hands-on experience in data cleaning, visualisation and analysis using tools such as Excel and Power BI, and demonstrated a great enthusiasm and diligence throughout the program.

Plasmid Innovation ↗

Dec 2024 – Feb 2025

Marketing Data Analyst - Internship

Bangalore, India

- Completed an internship in Marketing data Analytics at Plasmid Innovation, where I gained hands-on experience in data cleaning, visualization, and analysis.
- Developed proficiency in tools like Excel and Power BI and applied analytical skills to interpret trends and derive actionable insights. Demonstrated keen enthusiasm and diligence throughout the program.

Oasis Infobyte ↗

Sept 2024 – Oct 2024

Business Data Analyst - Internship

Delhi, India

- Completed a Data Analytics internship at Plasmid Innovation, gaining hands-on experience in Business data cleaning, visualisation, and trend analysis. Developed proficiency in Excel and Power BI to derive actionable insights.

YBI Foundation ↗

Jul 2024 – Aug 2024

Data Project Intern

Mumbai, India

- Mastered SQL querying techniques alongside Excel and Python statistical methods; extracted actionable insights from datasets averaging 5GB per week, enhancing data-driven strategies for targeted business outcomes.
- Through hands-on projects, I developed ability in SQL for database querying and applied statistical methods using Excel and Python to extract insights.

Pinnacle Industrial Controls Ltd. ↗

Jun 2023 – Jul 2023

Engineering Intern

Mumbai, India

- I actively engaged in various projects and tasks, acquiring valuable hands-on experience in Data Management and Application generation skills.

RPA & UI-Path ↗

May 2023

Robotic Process Automation Intern

Mumbai, India

- Completed a two-week internship with UiPath, gaining foundational skills in Robotic Process Automation (RPA) and hands-on experience with UiPath Studio and Orchestrator.

TECHNICAL SKILLS

Languages: Python, Java, C, C#, React.js, TypeScript, SQL

Developer Tools: VS Code, Jupyter Notebook, Google Colab, PowerBI Desktop, Arduino Uno, KiCAD, Autodesk Fusion 360, BlueJ

Technologies/Frameworks: GitHub, ReactJS, Pandas, Numpy, Seaborn, Matplotlib, ggplot2, Figma, Microsoft Excel, IOT

CERTIFICATIONS

- Data Engineering Foundation - **LinkedIn Learning**
- Business Analysis & Process Management - **Coursera**
- Harnessing the Power of Data with Power BI - **Microsoft**
- Google Data Analytics - **Google—Coursera**
- Introduction to Data Analytics on Google Cloud - **Google Cloud**
- Data Analysis with R Programming - **Google**
- Data Analysis with Python - **IBM**
- BI and Analytics with Looker - **Google Cloud**
- Python for Machine Learning & Data Science Masterclass - **Udemy**
- Advanced QGIS Analysis with AI and Machine Learning - **LinkedIn Learning**
- Diploma in RPA and UI Path - **IIIC**
- The Complete Guide to Effective Communication Skills - **Udemy**
- Digital Marketing Strategist - **Udemy**
- Lean & Quality Management - **Udemy**
- Digital Marketing - **HubSpot Academy**

COURSEWORK / SKILLS

- | | | | |
|-------------------------------------|--|----------------------------|--------------------------------|
| • Database Management System (DBMS) | • Microsoft Office | • Collaborative Management | • Machine Learning |
| • Artificial Intelligence | • Communication and Negotiation Skills | • Internet of Things | • Robotics with AI-Integration |

EXTRA-CURRICULAR

Society For Data Science, KJSIT

Jul 2024 – May 2025

Mumbai

Chief Executive Officer

- Carried out various workshops and conducted a All India in House Hackathon named **KnowCode**.
- Spearheaded research on AI-driven predictive maintenance for industrial applications.
- Conducted multiple training sessions on digital transformation in operations.

Students' Council of KJSIT

Jan 2022 – Jan 2025

Mumbai

Sports Secretary

- I was responsible for overseeing the planning, execution, and promotion of the college's sports fest. I played a pivotal role in organizing the event from scratch, managing everything from **scheduling tournaments, coordinating with teams, securing sponsorships, and ensuring seamless logistics**.
- Worked on three different positions of **Marketing Team Member** got promoted to **Marketing Admin** where I secured various deals for the Cultural and Sports fest of our college. Brought title sponsor for the SURGE-The Cultural Festival of KJSIT. Then held position of **Sports Secretary** due to overall capabilities and keen knowledge of sports management.
- Majorly contributed in carrying out **college festivals and minor events throughout the year**.
- Managed a team of 100+ students, demonstrating leadership and strategic planning.

Computer Society of India, KJSIT

Sept 2022 – Aug 2024

Mumbai

Organizing Manager

- Worked on two different positions of **Events Coordinator** and got promoted to **Organizing Manager**.
- Majorly contributed in carrying out **college's technical festival and Tech-Based events conducted by CSI**.

Google Developer Student Clubs

Jun 2022 – Jan 2023

Mumbai

Outreach Assistant

- Established strategic partnerships with 10 local tech bodies, creating a network that attracted 200+ participants to GDSC events; this collaboration enhanced community engagement and visibility for the organization.
- Developed strong outreach network through the platform of GDSC all over Mumbai. Connected educational enthusiasts in GDSC events organized by KJSIT.

National Service Scheme

Oct 2022 – Aug 2024

Mumbai

Volunteer

- Participated in community projects which promoted various social services (**health camps, blood donation camps, cleanliness drives**)
- Conducted awareness programs (**health, education, environment**)
- Organized social service events (**tree planting, disaster relief**)

Industrial Visits

Sept 2023 & Sept 2024

Mumbai

As Student

- **Participated in Industrial Visit** to Tarapur Atomic Power Station, Palghar
- **Participated in Industrial Visit** to Reliance Jio, Mumbai

Sports

Sept 2016 – Present

Mumbai

Professional Player

- **2 times district champion** in Football at Kolhapur and currently playing in college football of KJSIT and secured **Bronze medal in Somaiya University Games**.
- **Silver at State Level** in Swimming while representing school in 2018.
- **Bronze in District Level Club Tournaments** in Javelin Throw while representing school in 2018.
- Also been part of School Athletics Team for **100m, 200m & 4x100m Relay**.

Treks

Sept 2016 – Present

Maharashtra, Himachal Pradesh & Uttarakhand

Professional Trekker

- Ascended **Kalsubai Summit** the highest peak in Maharashtra multiple times.
- Scaled **Chandrashila Trek** in 2023 passing from the highest Lord Shiva temple in world, Tungnath Temple located in Uttarakhand.
- Summited **Sar Pass** with trek of 52 kms located in Himachal Pradesh.
- Been involved in small trek communities where trekking training is provided and completed minor summits like AMK - Alang Madan Kulang in Maharashtra and Naini Peak in Nainital.