

Parth Karia

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Education

SVKM's Dwarkadas J. Sanghvi College of Engineering <i>B.Tech in Artificial Intelligence and Data Science (GPA: 8.5)</i>	Mumbai, India 2023 - 2026
Shri Bhagubhai Mafatlal Polytechnic <i>Diploma in Information Technology (GPA: 9.02)</i>	Mumbai, India 2020 - 2023

Experience

Software Development Intern <i>Smowcode</i> <ul style="list-style-type: none">Developed a Python-based compiler to convert JSON objects into Smowcode nodes, enabling enhanced customization for client workflows.Boosted compiler performance with Cython, achieving a 40% reduction in execution time, improving efficiency.	June 2024 - August 2024 Mumbai, India
Freelance Web Developer <i>Aristoart, Ryzen Tech</i> <ul style="list-style-type: none">Designed and deployed three professional websites (alpsvoyage.com, interception.in, taahibudgetbazaar.com) using Shopify, Wix, and ReactJS.Managed end-to-end website deployment processes, including hosting and domain setup on GoDaddy, ensuring seamless online presence for clients.	June 2024 - Present
Web Developer Intern <i>Hungry Brain</i> <ul style="list-style-type: none">Optimized Shopify product listings and implemented SEO strategies, boosting organic traffic by 35%.Efficiently resolved technical issues, minimizing project disruptions.	July 2022 - August 2022 Mumbai, India

Projects

Nyaya-Sahay (AI Powered Legal Assistant) - SIH'24 <i>Python, FastAPI, Docker, AWS, Selenium</i> <ul style="list-style-type: none">Developed and deployed an API for a legal chatbot, document finder, and case status using FastAPI, Docker, and AWS ECS for scalable, reliable hosting.Utilized Selenium to scrape real-time legal data and integrated the API with the frontend.
Synthetic Dataset Generator <i>CTGANs, WGANs, VAEs</i> <ul style="list-style-type: none">Used CTGANs, WGANs, and VAEs to generate synthetic data, improving model accuracy by 4% when trained on synthetic data (82%) compared to real data (78%).Successfully generated up to 3,000 synthetic rows from an initial dataset of just 300, significantly enhancing model training and performance with a larger data set.
Multilingual Chatbot <i>Helsinki Models, Llama, Streamlit</i> <ul style="list-style-type: none">Developed a multilingual chatbot supporting English, Hindi, Marathi, and Gujarati using Helsinki models for translation and Llama for context-aware conversations, ensuring smooth interactions across languages.Built a user-friendly frontend with Streamlit, enabling seamless communication across multiple languages.
Movie Recommendation System <i>Python, Streamlit, Scikit-Learn, Pandas, NumPy, TMDb API</i> <ul style="list-style-type: none">Developed a movie recommendation system using Python and Streamlit for the frontend, leveraging scikit-learn's vectorization and similarity algorithms with Pandas and NumPy for content-based filtering on a dataset of over 5,000 movies.Integrated the TMDb API to fetch and display movie posters.

Technical Skills

Languages: C, C++, Java, Python, HTML5, CSS3, JavaScript, PHP
Frameworks & Tools: Bootstrap, Tailwind, Next.js, React.js, FastAPI, Cython, Shopify, Wix, Postman
Developer Tools: GitHub, Docker, AWS, GoDaddy (Hosting & Deployment)
Machine Learning: Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn, TensorFlow, PyTorch, NLTK, SpaCy, GANs
Databases: MySQL, Oracle, MongoDB