

Aniket Vishwakarma

Mumbai, Maharashtra, India

+91 84549 33859 | karmaniket@gmail.com | [LinkedIn/karmaniket](https://www.linkedin.com/in/karmaniket) | [GitHub/karmaniket](https://github.com/karmaniket) | [Portfolio/karmaniket](#)

Professional summary

Aspiring IT professional and lifelong learner with a deep passion for Artificial Intelligence, Machine Learning and Mechatronics. Transforming complex data into powerful insights and innovative solutions. Proficient at learn-by-doing approach to solve complex problems with a knack for turning ideas into functional projects.

Projects

Assistant04 — Python, PySimpleGUI, Pyttsx3, Wolframalpha, Wikipedia | [Demo](#)

July 2023 — August 2023

- Developed an assistant utilizing APIs to provide prompt and accurate responses to user queries through a GUI text interface. Leveraged APIs for streamlined data retrieval and processing, ensuring efficient and precise information delivery.

Train station indicator — C++, Arduino Ide, Proteus | [Demo](#)

August 2023 — September 2023

- This project showcases a sophisticated emulation of real-time information displays observed in Mumbai's local trains. Delivers critical journey information including the current stop, upcoming stop, and final destination. It exemplifies precision engineering and rapid prototyping prowess.

LDR sensor circuit — PCB Design, Electrical Schematic & Layout, KiCad | [Demo](#)

January 2024 — February 2024

- A testament to ingenuity, the LDR sensor circuit represents a cost-effective yet high-performance solution for light-sensitive applications at a small scale. It seamlessly integrates SMT and THT components.
- The resulting circuit ensure seamless production, assembly, and integration into a diverse array of miniature electronics applications.

TwoWheelsonRent — Html, Css, JavaScript, Firebase, Vercel, GitHub | [Demo](#)

August 2023 — March 2024

- A sophisticated bicycle rental platform designed to streamline operations and elevate user experience.
- With meticulously implemented user and admin login functionalities, authentication and data storage, fortified by stringent data validation protocols.

Academic Predictor — Html, Css, JavaScript, Cloudflare, GitHub | [Demo](#)

May 2024 — May 2024

- Developed an intuitive web-based tool for students and graduates to determine their academic journey.
- Features a user-friendly responsive interface for seamless calculations and input validations for accuracy.
- It calculates where user was or would be in their academic journey based on their current age, target year and years spent in kindergarten.

Fuel Calculator — Html, Css, JavaScript, Cloudflare, GitHub | [Demo](#)

June 2024 — June 2024

- Designed and developed a web application to calculate fuel requirements and costs for various vehicles.
- Supports multiple fuel types, making it adaptable for diverse vehicle categories.
- Integrated currency support for three countries, including India, ensuring precise cost estimation at wider range.
- Provides a user-friendly responsive interface for seamless calculations and enhanced usability.

Mood Predictor — Python, Sklearn, Flask, Render, GitHub | [Demo](#)

July 2024 — July 2024

- Created a custom dataset from everyday conversations to analyze and categorize human moods.
- This aims to offer profound insights into emotional patterns and behaviors, bridging computational analysis with the intricacies of human sentiment.
- Strives to advance our comprehension of emotional intelligence and support applications across diverse domains, including mental health and user experience design by transforming emotional states into actionable data.

Skills

Technical Skills

Data Science, Machine Learning, DBMS, Deep Learning, Natural Language Processing, Neural Networks, Predictive Analysis, Computer Vision, Data Structures and Algorithms

Programming Languages

Python, C, C++, Java, JavaScript, MySQL

Technologies & Frameworks

Excel, PowerBI, Jupyter Notebook, PyCharm, Docker, Kubernetes, Flask, CONDA environment, GitHub, Git, Render, Vercel, Cloudflare

Soft Skills

Analytical Thinking, Problem Solving, Time Management, Adaptability, Attention to Detail, Communication, Collaboration, Creative Thinking

Additional Skills

Web Development, Internet of Things, PCB Design, Embedded System, Automation

Education

VPM’s RZ SHAH College of Arts, Science and Commerce, University of Mumbai Bachelor of Science in Information Technology — 7.05/10	<i>October 2021 — October 2024</i>
Wamanrao Muranjan Junior College, Mulund Mumbai Higher Secondary (Science – PCMB) — 79.17%	<i>June 2020 — August 2021</i>
Dayanand Vedik Vidyalaya, Mulund Mumbai Secondary School — 66%	<i>June 2018 — March 2019</i>

Achievements

17th Aavishkar Research Convention, 2023
Google Analytics Certification, 2023

Interests

Robotics, Physics, Developing virtual assistant,	Automobile, Astronomy, 3D CAD,	Mechanics, Writing Theories, VFX
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Extras

YouTube/[AVmades](#)