

# PARAS SANJAY NINGUNE

Pune, Maharashtra • [paras.ningune01@gmail.com](mailto:paras.ningune01@gmail.com) • +91 9422322112

## PROFESSIONAL EXPERIENCE

### NovaNectar Services Pvt Ltd

Jan 2025 – Ongoing

#### Artificial Intelligence Intern

- Designed and implemented an image recognition model using Convolutional Neural Networks (CNN) with frameworks like TensorFlow and Keras.
- Preprocessed image datasets by **resizing**, **normalizing**, and applying **data augmentation techniques** to improve model performance and generalization.
- Trained the CNN using the **Adam optimizer** and evaluated it with metrics such as **accuracy** and **confusion matrices**.
- Developed a chatbot for the company website using Natural Language Processing (NLP) tools like NLTK and spaCy.
- Enabled the chatbot to handle real-time, text-based user queries, improving customer interaction and response accuracy.
- Gained hands-on experience in **AI frameworks**, **model training**, and **system deployment**.

## EDUCATION

### PUNE VIDYARTHI GRIHA'S COLLEGE OF ENGINEERING AND TECHNOLOGY

Pune, Maharashtra

#### Bachelor of Engineering (BE) in Information Technology

Currently in 3<sup>rd</sup> Year

## SKILLS

- Programming Languages:** C, C++, Java, JavaScript, Python, HTML/CSS
- Version Control:** Git
- Databases:** MySQL, SQLite, MongoDB
- Frameworks and Libraries:** ReactJS, Django, Flask, NodeJS, React-Native
- ML/DL Libraries :** Scikit-learn, Matplotlib, NumPy, Pandas, Seaborn, TensorFlow, Keras
- IDE & Tools:** Eclipse, Visual Studio, Jupyter Notebook
- Concepts:** Data Structures (DS), Algorithms, System Design

## PROJECTS

### Crypto Live Tracker | Data Analysis

Jan 2025

- Technology: Python, Excel, API, PDF Handling
- Description: Python-powered project that fetches, analyzes, and presents live cryptocurrency data for the top 50 cryptocurrencies by market capitalization.
- The data is dynamically updated in an Excel sheet, offering real-time insights into the cryptocurrency market.

### Sentiment Analysis | Machine Learning

Dec 2024

- Technology: Python, Sklearn, Pandas, React.js
- Description: A comprehensive sentiment analysis application capable of analyzing text, audio, and video to identify emotions and sentiments.
- Implemented a system where users can input text data for analysis (fully functional), while audio sentiment analysis is currently under development. The application aims to incorporate advanced techniques in natural language processing, speech processing, and video analysis to provide detailed emotional insights across multiple data formats.

### FitChronicle | Mobile Application

Dec 2024

- Technology: React Native, MongoDB
- Description:
- Implemented CRUD operations to enable users to record and manage their gym progress, providing detailed insights compared to simple notepad entries.

### Expense Tracker | Web Application

Nov 2024

- Technology: React.js, Node.js, Express.js, Firebase, Chakra.ui, chart.js
- Description: An website which helps users manage income and expenses with secure authentication, transaction making, insightful graphs for better finance control.
- Implemented CRUD operations to enable users to record and manage their income and expenses, providing detailed insights compared to simple notepad entries.