Pratham Sunil Agrawal

pratham05072002@gmail.com| 8483048845 | Pune, MH | linkedin.com/in/pratham-agrawal-82a251215

EDUCATION

SPPU University   *Pune, MH*
Pune Institute of Computer Technology   *Expected June 2024*

- *Bachelor of Technology:* Information Technology
- Current CGPA: 9.33/10.00

Maharashtra State Board of Secondary and Higher Secondary Education   *Yavatmal, MH*
Smt. Nankibai Wadhwani Kala Maha Vidyalaya
- *Higher Secondary Certificate Examination*,
  2020
- Percentage: 81.69%

CBSE Board   *Yavatmal, MH*
School of Scholars
- *SSC - Secondary School Certificate Examination / Matriculation
  Examination*
- Percentage: 92.2%

EXPERIENCE

Rajiv Gandhi Science and Technology Commission   *Pune, MH*
Research Intern   *Feb - May 2023*
- Working on Emotional Facial Recognition using Sequential model.
- Adding sound clips to detect emotions.

Novel Vista Learning Solutions Pvt Ltd   *Pune, MH*
Data Analyst Intern   *April - Aug 2022*
- Developed business plans and strategies to support the business analysis team.
- Implemented business strategies and visualized it using the Matplotlib Library and SciPy.
- Conducted research and compiled data about customer and industry trends.

Balaji Enterprises   *Yavatmal, MH*
Data Entry and Analyst Intern   *April - June 2021*
- Analysed using Ms Excel to gauge the sale of product.
- Interacted with potential customers by communicating and answering questions.

PROJECTS

Filter Out Card Counters in Casino – C++, Deep Learning Based (Website)   *Mar 2022- Current*
- Model contains Object and Facial Detection to catch card counters on Blackjack casino table game.
- Developing an appealing, functional webpage, for front-end we use HTML, CSS and JavaScript.
- Front-end web development ensures that the website is aesthetically pleasing, and then
  back-end development makes website fully functional by deploying model using Flask.

Music Recommendation System – Deep Learning Based   *Aug - Sept 2022*
- Developed an ML model to recommend the songs based on the song played.
- Model takes song name as it's input and gives recommended songs as output.
- Used Cosine similarity for finding out similar songs.

A Brain Cancer Detection System – Python and Deep Learning Based   *March - April 2022*
- Python model to detect brain tumor in humans.
- Distinguished it based on type of brain tumor like pituitary tumor, glioma tumor and meningioma tumor to generate reports.

Flower Recognition – Machine Learning Based   *March - April 2022*
- ML model to recognize the type of flower using Convolutional Neural Network (CNN).
- Model takes Image as it's input and gives flower name as output.

SKILLS

Machine and Deep Learning: Computer Vision, OpenCV, TensorFlow Keras, Tableau
Tools: Microsoft Office, VS Code, Jupyter Notebook, Google Colab, MySQL
Concepts: DBMS, Data Structure & Algorithms, Object-Oriented Programming, Operating Systems
Language: C, C++, Python, SQL.

Certifications: Introduction to Data Science **- Python For Data Science**,
                 Data Analysis **- Data Analysis with Python**,
                 Machine Learning - **Machine Learning with Python**.

ACHEIVEMENTS

Winner at TIAA Hackathon
- Developed a Ration Distribution System in the form of website and app.
- Built the system from organization end to make available ration slots and customer end to book the ration slot.