

Aryan Palaspagar

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PROFESSIONAL SUMMARY

Full-Stack Developer & Data Science Enthusiast | Built and deployed 3+ scalable projects using Flask, React, Django, and ML models. Strong foundation in AI-based diagnostics and data visualization. Proficient in developing scalable web applications and applying machine learning techniques for real-world problem-solving. Passionate about building intelligent, user-centric products and continuously learning and improving through hands-on projects.

TECHNICAL SKILLS

- **Languages:** HTML, CSS, JavaScript, Python
 - **Frameworks/Libraries:** React, Flask, Django, Express, OpenCV, TensorFlow, MediaPipe
 - **Databases:** MySQL, PostgreSQL, MongoDB, Firebase Firestore
 - **Tools:** Git, GitHub, VS Code, Power BI, Jupyter Lab, Google Colab
 - **Cloud:** AWS, Google Cloud Platform, Vercel, Render
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PROJECTS

SmartDent AI – AI-Based Dental Diagnosis System

- Built with Flask, TensorFlow, and a dual-model system (X-ray + Dental Imaging).
- Gives 95% + accuracy in real time teeth alignment.
- Predicts cavities, fillings, implants, and impacted teeth using ML models.
- Achieved 92% accuracy in dental diagnosis using X-ray & dental image ML models.
- Integrated with a responsive web UI for real-time predictions and patient interactions.
- Patients can Consult the expert remotely and take the Appointment.

Cara – E commerce Shopping site

- Fully responsive site build with ReactJs.
- User can shop, check blogs, contact and add items to cart dynamically.
- Deployed on vercel.com. (<https://cara-nu.vercel.app>)

FINTRACK - Personal Finance Tracker

- Developed with HTML, CSS, JS, Python, and Power BI.
- Features budgeting, income tracking, and expense analytics with predictive forecasting using linear regression.

AIRART - Gesture-Based Drawing & Recognition System

- User can draw on the screen without even touching the screen with pen.
 - Uses computer vision technology for tracking hand movements.
 - Detects Alphabets and Numeric values.
 - Combines OpenCV, MediaPipe, TensorFlow for real-time hand gesture interaction.
 - Modules include Air Canvas, Alphabet/Number Recognition, and Drawing Recognition.
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CERTIFICATIONS

- Google Analytics for Beginners
 - Machine Learning - Simplilearn
 - SQL & Relational Databases - Cognitive Class
 - Build Your Own Chatbot - Cognitive Class
 - Machine Learning Master Cert - Altair RapidMiner
 - Power BI Projects - Great Learning
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EDUCATION

Bachelor of Engineering (B.E.) in Computer Science and Engineering (Data Science)

A. P. Shah Institute of Technology, University of Mumbai — CGPA: 7.65/10

July 2021 – May 2025

Senior Secondary (XII), Science

Sudhakar Rao Naik College of Science, Akola — Percentage: 62%

June 2019 – Feb 2020

Secondary School (X)

English High School, Akola — Percentage: 81%

June 2017 - April 2018

ACHIEVEMENTS & EXTRACURRICULARS

- **Postman Student Expert** – API testing and automation knowledge.
- **HackScript 4.0** – National-level hackathon finalist.