

# Aryan Palaspagar

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## PROFESSIONAL SUMMARY

Full-Stack Developer | Experienced in building and deploying dynamic web applications using React, Flask, and Django. Skilled in designing scalable architectures, API integrations, and database management with MySQL and MongoDB. Proficient in creating responsive UIs, implementing authentication systems, and deploying projects on cloud platforms like Vercel, Render, and AWS. Passionate about delivering high-performance, user-friendly products with clean and maintainable code.

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## TECHNICAL SKILLS

- **Languages:** HTML, CSS, JavaScript, Python, SQL
  - **Frameworks/Libraries:** Bootstrap, Tailwind CSS, React, Next.js, Node.js, Express.js, Flask, Django
  - **Databases:** MySQL, PostgreSQL, MongoDB, Firebase Firestore
  - **Tools & Platforms:** Git, GitHub, Postman, VS Code, Jupyter Lab, Google Colab
  - **Cloud:** Vercel, Render ( Learning: AWS, Docker, CI/CD Pipelines, Microservices )
  - **Additional:** RESTful & GraphQL APIs, Authentication (JWT, OAuth), Data Analytics ( PowerBI, Matplotlib )
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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>)

## 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

- Full Stack Web Developer – Eduskills Academy
  - Google Analytics for Beginners - Google
  - 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

### **B.E. Computer Science & 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 — 62%*  
*June 2019 – Feb 2020*

### **Secondary School (X)**

*English High School, Akola — 81%*  
*June 2017 – April 2018*

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## ACHIEVEMENTS & EXTRACURRICULARS

- **Postman Student Expert** – Gained expertise in API development, testing, and automation through practical projects.
- **HackScript 4.0** – Selected among top teams nationwide for innovative problem-solving and full-stack project development.