

# AAYUSH PANCHAL

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## SUMMARY

I am a Computer Science student at D.Y. Patil International University, Pune, with skills in Python, Java, JavaScript, React, Node.js, Express.js and MySQL. Passionate about full-stack development, I am eager to apply my skills in real-world projects and internships while continuously learning and improving.

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## PROJECTS

### Design Project Smart Dustbin -

- Developed "Ecobin - The Smart Dustbin", an IoT-based waste management system
- Implemented IR and proximity sensors for touchless lid operation.
- Integrated stepper and servo motors for waste compaction and optimized storage.
- Utilized rechargeable Li-ion batteries for an energy-efficient and sustainable system.

### Drive -

- Developed an Image Upload & Access Platform using Express.js, EJS, and MongoDB.
- Enabled users to upload, store, and retrieve images seamlessly from the server.
- Implemented efficient and secure image management for optimized performance.

### Database Result Management System -

- Developed a Result Management System using Python GUI (Tkinter) and SQLite.
  - Enabled students and administrators to enroll in courses, view results, and manage fees.
  - Designed an intuitive graphical interface for easy access to academic records.
  - Ensured efficient data management and improved system accessibility.
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## EDUCATION

### D.Y Patil international University

2023 - 2027

- B.Tech in Computer Science & Engineering Pune, Maharashtra

2019 - 2023

### Vardaan Sr. Sec. School Udaipur

- Completed Secondary Education | Udaipur, Rajasthan
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## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript
  - **Web Development:** HTML, CSS, React, Node.js, Express.js
  - **Database Management:** MySQL, MongoDB , Firebase
  - **Tools & Platforms:** Git, Linux
  - **Concepts:** Data Structures & Algorithms, System Design, Computer Networks
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## ADDITIONAL INFORMATION

- **Technical Skills:** Project Management, Structural Analysis, Robotics and Automation, CAD
- **Languages:** English, Hindi
- **Certifications:** AWS , Google Cloud