

# Divyani Deshmukh

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## EDUCATION

### JSPM's Rajarshi Shahu College of Engineering

Bachelor of Technology in Automation and Robotics – 8.95 CGPA

Pune, MH

Nov 2022 – Jun 2026

### Rashtriya Vidyalaya College

HSC – 80.3%

2020 – 2022

### Grace Academy

SSC – 93.60%

2020

## EXPERIENCE

### Research Assistant

Nov 2024 – Present

- Conducted in-depth research on 10+ scalable technologies and patent requirements.
- Designed and refined 5+ 3D models using SolidWorks for research applications.
- Authored and structured patent documentation files, including detailed technical descriptions and comprehensive claims.

### Web Developer – Codsoft

Aug – Sep 2024

- Generated a 100% responsive tribute page using HTML and CSS, enhancing user engagement.
- Built a full-stack Job Board platform, integrating React (front end) with Node.js (back end).
- Implemented CRUD operations and managed 100+ job listings using MongoDB.

### Web Developer – Oasis Infobyte

Jul – Aug 2024

- Developed a dynamic landing page for Matka Chai using HTML and CSS.
- Coded a fully functional personal portfolio website, showcasing 5+ projects.
- Executed a multi-unit Temperature Converter using HTML, CSS, and JavaScript, processing instant conversions across 3 temperature scales (Celsius, Fahrenheit, Kelvin) with real-time accuracy.

## PROJECTS

### AI Career Coach Website (ThriveTrail | React.js, Node.js, PostgreSQL, Clerk)

May 2025

- Used Gemini with Arcjet and Inngest to process AI-powered recommendations and automate career coaching workflows, enhancing the user experience through intelligent and real-time interactions.
- Developed an AI-driven career coaching website that leverages React.js for the frontend, offering personalized career advice, skill development tips, and tailored job recommendations.

### AI Financial Business Planner (MoneyMind) | React.js, Node.js, PostgreSQL

Mar – April 2025

- Built a personal finance management app that helps users track income, expenses, and set budgets, aiming to promote financial literacy.
- Utilized PostgreSQL to store user transactions and budget settings, providing a scalable backend, and designed a clean, responsive frontend using React.

### Bus Passenger Monitor | Python, OpenCV, YOLOv5, Object Tracking

Jan – Mar 2025

- By processing live video feeds, the system uses computer vision to track movement direction and accurately update passenger counts in real time.
- Integrated YOLOv5 object detection with a custom tracking algorithm to assign unique IDs and determine direction based on virtual region lines.

## TECHNICAL SKILLS

- Programming Languages:** Java, Javascript, Python, HTML, CSS, React Js
- Database:** MongoDB, PostgreSQL
- Data Analysis:** Data Pipeline, Data Visualization
- Collaboration Tools:** GitHub
- Machine Vision:** Google Collab, RoboFlow, CNN
- Designing:** AutoCad, Robo Analyzer, Matlab, TIA Portal, Automation Studio, RoboDK
- Automation System:** Hydraulic and Pneumatic System, Cobot Programming, PLC, CNC & VMC, 5 & 2 Station Modular Manufacturing System