

# Yash Rajput

+91 7876403194 — [yrajpoot648@gmail.com](mailto:yrajpoot648@gmail.com) — [yash-rajput](https://www.linkedin.com/in/yash-rajput/) — [yashrajput4235](https://www.github.com/yashrajput4235) — <https://leetcode.com/YashRajput>

## Skills

- Languages:** Python, JavaScript, C/C++, Java.
- Frameworks and Libraries:** React.js, Node.js, Express, Fastify, Bootstrap.
- Tools and Platforms:** Git, Postman, MongoDB, PostgreSQL.
- Technologies:** REST APIs, JWT Auth, Machine Learning (scikit-learn, TensorFlow), NLP
- Concepts:** Data Structures and Algorithms, OOP, OS, DBMS, Networks

## Experience

### Software Development Intern, Switch iT

May 2025 – July 2025

- Engineered and deployed scalable REST APIs using Node.js and Fastify, reducing latency by 20 percent.
- Built a secure authentication system using JWT, enabling email verification, password reset, and role-based access for 1,000+ users.
- Collaborated cross-functionally with frontend developers to implement and deliver full-stack features, improving user onboarding efficiency by 30% .

### Data Analytics and AI Launchpad Trainee, PwC

Feb 2025 – July 2025

- Completed intensive training in Python, SQL, RDBMS, and AI tools for business problem-solving.
- Preprocessed and analyzed real-world datasets, building predictive models for insights and decision-making.
- Designed ETL pipelines and data warehouses, streamlining data processing for analytics projects.

## Education

### B.Tech(Hons) in Computer Science (IoT and Intelligent Systems)

2022 – Present

Manipal University Jaipur

CGPA: 8.88/10

### Secondary School Certificate (10th Standard)

2019

Lakshay Public School

Percentage: 92.14%

### Higher School Certificate (12th Standard)

2021

D.A.V Ambuja Vidya Niketan, Darlaghat

Percentage: 82.8%

## Certifications & Awards

- Dean's List of Excellence in Academics (First and Fifth Semesters). [Link](#)
- Earned certification from IIT Madras through NPTEL, 2024 (Design and Analysis of Algorithms). [Link](#)

## Projects

### LeetLingo– Personalized AI Interview Prep

GitHub

- Developed a full-stack web app using React, Flask, Python, and NLP to analyze interview responses for vocabulary, fluency, and confidence.
- Integrated speech-to-text APIs and built dashboards to visualize user progress.
- Achieved greater than 90% accuracy in content analysis using custom-trained ML models.

### Polyp Detection using CNN

GitHub

- Designed and trained a CNN model in TensorFlow/Keras, achieving 99% accuracy on the Kvasir medical dataset.
- Automated polyp detection in colonoscopy images to assist in early colorectal cancer diagnosis.

### Real-Time Currency Converter

GitHub

- Built a React Hooks app using a live exchange-rate API to convert global currencies in real-time.
- Implemented optimized state management and responsive UI for seamless conversions.

## Publications

### HydroWatch: IoT-based Water Management System for Livestock Farms

Link

- Co-inventor of an IoT solution automating water refilling in livestock farms to reduce manual labor and water waste.
- Filed patent (Application No. 202411086633 A) on Nov 11, 2024; published in Patent Office Journal No. 47/2024.
- System uses ESP8266, ultrasonic sensor, relay, and water motor for efficient water level management.
- Developed in collaboration with Manipal University Jaipur and team members Aagaaz Kapoor, Pranjal Shah, and Dr. Hemlata Goyal.