

Piyush Yadav

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Education

INDIRA COLLEGE OF ENGINEERING AND MANAGEMENT

Master of Computer Applications **CGPA-8.62(1st Year)**

Parandvadi, Pune

Sep 2024 – Present

DR. D. Y. PATIL ARTS COMMERCE AND SCIENCE COLLEGE

Bachelor of Computer Applications , **CGPA-9.17**

Pimpri

Aug 2021 – June 2024

SHRI SHIVAJI VIDYAMANDIR JUNIOR COLLEGE

HSC -Maharashtra Board , **77.17 %**

Aundh

Feb 2021

LITTLE ANGEL'S PUBLIC SCHOOL

SSC - Maharashtra board , **73.4%**

Pimple Gurav

March 2019

Technical Skills

Operating Systems: Windows, Linux (Ubuntu , RedHat)

Languages: Java, Python, C/C++, SQL , JavaScript, HTML/CSS

Frameworks: React, Typescript, Node.js, Material-UI, FastAPI, Springboot, Bootstrap

Databases: PostgreSQL , MongoDB , MySQL

Developer Tools: Git, Visual Studio, IntelliJ IDEA , Spring Tool suite, Postman

Projects

Syllabus Deadline Optimizer | *HTML, CSS, JavaScript, Java, Spring Boot, PostgreSQL*

[Link](#)

- Engineered an AI-powered algorithm that optimizes lecture timelines based on student performance and scheduling constraints.
- Developed a Spring Boot backend with RESTful APIs for syllabus management, authentication, and get real-time progress tracking.
- Designed a PostgreSQL database with JPA that improved system response time through optimized queries.

EduForum: Smart Academic Forum & Chatbot System | *React.js, Node.js, Express.js, PostgreSQL* [Link](#)

- Engineered a comprehensive educational platform using React and Node.js, featuring an AI-powered chatbot and real-time forum discussions for seamless academic communication.
- Implemented RESTful API architecture with role-based access control, Google OAuth integration, and JWT authentication for secure, optimized user management.
- Developed responsive full-stack application utilizing PostgreSQL with Prisma ORM for type-safe database access, optimized query performance, and React components with dark/light theme support.

FindMySpot: Real-Time Parking Locator | *React.js, Node.js, Express.js, MySQL, Leaflet.js*

[Link](#)

- Built a full-stack parking platform using React.js, Node.js, and Express.js with an interactive map interface.
- Integrated Leaflet.js for geolocation-based search with dynamic map rendering based on real-time queries.
- Implemented role-based access control and JWT authentication ensuring appropriate data access and security.
- Designed an indexed MySQL database supporting user profiles, listings, bookings, and feedback.

Extracurricular

Best Research Paper Award (Track 3): Received at the National Conference on Technological Advancements in Academia and Industry 4.0 (NCTAAI 4.0) for the paper titled *"The Future of Assessment: AI Grading Technologies."*

Cybersecurity Awareness Initiative: Awarded Cyber Suraksha Award for promoting online safety and phishing prevention.

Hackathons: Participated in Byte Battle at Savioir Faire, gaining experience in problem-solving and collaborative coding.

Hobbies

- Enthusiastic about football, enjoying both playing the sport and engaging in in-depth discussions about matches.
- Singing in my free time, exploring various genres.