YASH PATIL

Bachelor Of Engineering
Information Technology
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.E.	PUNE INSTITUTE OF COMPUTER TECHNOLOGY	9.18	2023-27
Senior Secondary	R.V. Jr. College , Chalisgaon	77.00%	2023
Secondary	T.S.M.V. ,Chalisgaon	92.40%	2021

SKILLS

- **Programming**: Java, C/C++, Python ,JavaScript, HTML, CSS.
- **Frameworks & Technologies**: Spring Boot, Microservices, Docker, Spring MVC, Spring Security, Spring Data JPA, Spring JDBC, Spring AOP, Spring AI, Hibernate, JSP, Servlets, RESTful APIs.
- **Libraries and Tools**: JUnit, Maven, JDBC, MySQL, Git, GitHub.
- **Non Technical**: Financial Analysis, Incoterms Knowledge.

PROJECTS

PROPAY -Employee Payroll Management System | Spring Boot, React, MySQL.   **GitHub**

- Engineered an enterprise-grade payroll and HR solution using **Spring Boot 3.3.4** and **React 18** to automate end-to-end employee lifecycles, featuring a secure **Java 22** backend with **JWT-based RBAC** for sensitive financial data protection.
- Integrated **Google Gemini AI** via the **Vertex AI SDK** to provide an intelligent assistant for natural language payroll queries and delivered real-time analytics using **Chart.js** for data-driven organizational insights.
- Automated complex financial workflows including high-fidelity **iText PDF** payslip generation, tax calculations, and attendance tracking, backed by a high-performance **MySQL 8.0** data layer with **HikariCP**.

AGV Fleet Optimization System | Python, Dijkstra's Algorithm, Priority Scheduling   **GitHub**

- Optimized AGV payload delivery using Python, Dijkstra's algorithm, and priority scheduling, significantly reducing delivery time by **35%** and boosting fleet utilization.
- Successfully integrated solutions for critical constraints, including load capacity, collision avoidance, and battery management, ensuring safe and efficient operations.
- Designed a scalable solution that improved fleet coordination and task completion (**95%+ within SLA**), ultimately enhancing system uptime.

Movie Recommender System | Python, Scikit-Learn, NLP, Streamlit   **GitHub**

- Engineered a content-based recommendation engine using a vector-space model and Cosine Similarity to compute semantic relationships between **4,800+ titles**, optimizing user interest matching.
- Architected a high-performance NLP pipeline involving NLTK-based Porter Stemming and `CountVectorizer` to transform multi-variate metadata including genres, cast, crew, and keywords into **5,000-dimensional feature vectors**.
- Deployed a scalable web interface using Streamlit integrated with the TMDB API for asynchronous retrieval of movie posters, ensuring real-time metadata rendering and a seamless user experience.

EXPERIENCE

- **Java Programming Intern**   *Virtual*
  CodSoft   Dec 2025 – Jan 2026

  - Undertook a 4-week virtual internship to develop and enhance skills in core and advanced Java programming.
  - Diligently executed all assigned tasks and projects, contributing valuable work that led to successful program completion with "wonderful remarks."
  - Designed and implemented a Student Management System in Java to manage student records, courses, and grades with an efficient console-based user interface.

- **AI/ML Intern**   *Virtual*
  ShadowFox   Jan 2026 – Feb 2026

  - Completed a one-month intensive virtual internship focused on Artificial Intelligence and Machine Learning.
  - Gained hands-on experience by working on real-time projects under a structured weekly program, progressing from beginner to advanced project levels.
  - Developed and deployed an interactive Boston House Price Prediction web application using Scikit-learn and Streamlit, allowing real-time price estimation based on urban and socio-economic factors.

CERTIFICATIONS

- **ML**: Machine Learning Specialization | DeepLearning.AI, Stanford University
- **ML**: Advanced Learning Algorithms | DeepLearning.AI, Stanford University
- **ML**: Unsupervised Learning, Recommenders, Reinforcement Learning | DeepLearning.AI, Stanford University
- **Cloud Computing**: AWS Cloud Fundamentals Bootcamp.

POSITIONS OF RESPONSIBILITY AND ACHIEVEMENTS

- **Marketing Lead**, CSI Club, Pune Institute of Computer Technology   *2025*
- **ECI Student Registration Award**, State-level award winner for record-breaking ECI new voter registrations. *2024*
- **MHT-CET**, Achieved 98.93%ile .   *2023*

CODING PROFILES

- **DSA Problem Solving**, Solved 250 + DSA problems across platforms including LeetCode, Codeforces, HackerRank, and GeeksforGeeks, strengthening coding and analytical skills.