

PRATIK RATHOD

Full Stack Developer
Tata Consultancy Services

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🌐 LinkedIn Profile

EDUCATION

- **Bachelor of Engineering in Computer Engineering** December 2020 - July 2024
Dr. D. Y. Patil Institute of Technology Pune, India. CGPA: 8.91

EXPERIENCE

- **Full Stack Developer (System Engineer)** January 2025 - Present
Tata Consultancy Services, Mumbai
 - Led end-to-end development of full-stack modules using Angular + Spring Boot, delivering features 2× faster than team average with zero post-release defects.
 - Took ownership of performance optimization, identifying bottlenecks and improving API/UI responsiveness, resulting in 30% higher client satisfaction in UAT.
 - Collaborated with cross-functional stakeholders to translate business requirements into scalable technical designs, achieving 100% requirements alignment.
 - Mentored peers on Angular best practices and debugging workflows, improving team turnaround time for issue resolution.
- **Gems Martian Summer Intern** June 2023 - August 2023
Persistent Systems, Pune
 - Gained expertise in Python Programming, Data Structures and Algorithms, Operating Systems, and Database Management, resulting in a final assessment grade of 100/100.
 - Acquired 70% performance enhancement through in depth study of Algorithms, out turn creation of practical solutions for real-world problems.

ACHIEVEMENTS

- Recognized as "Learning Champion" by TCS CIO for top learning hours and consistent performance.
- Won 1st Prize at Smart India Hackathon 2022 in the Cyber Security Domain.
- Earned 5 Star Python and SQL rating on HackerRank | 3.5 Star rating on LeetCode.
- Ranked in the Global Top 10K+ on Unstoppable | Solved 500+ DSA questions.
- Achieved full copyright ownership for LawBook Project from Govt. of India.
- Profile Links: [LeetCode](#), [GitHub](#), [Portfolio](#), [HackerRank](#), [QwikLabs](#)

PERSONAL PROJECTS

- **LawBook.AI : AI Moot Court Simulator | Python, Llama 3.2, RAG, NLP** www.mylawbook.in
 - Built a fully autonomous AI courtroom simulator with AI Judge and Opponent Agents enabling 100% automated legal practice.
 - Applied RAG-based embeddings for argument validation, counterarguments, and judicial reasoning, achieving an 85% increase in accuracy.
 - Designed interactive modules (Consti-Learn, Fun-Learn) for a legal learning ecosystem serving 100+ users.
 - Structured a case repository for 1000+ line legal documents with fully automated transcript logging.
- **PyScan: Network Scanning Tool | Python, Linux, MySQL, Scapy, and PyShark** [Live Project](#)
 - Developed a live network monitoring system that delivers 100% real-time detection of unauthorized devices.
 - Implemented Python scripting to achieve an 80% reduction in development costs while enhancing efficiency.
 - Awarded 1st Prize at SIH 2022 by the Ministry of Education for pioneering a network security solution.
- **Binary Shop E-commerce Website | Django, HTML, CSS, JS, PHP and MySQL** [GitHub Link](#)
 - Engineered a real-time eCommerce platform that is completely operational and has a 100% boost in efficacy.
 - Followed the entire Software Development Life Cycle (SDLC), improving website response time by 25%.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, Java, JavaScript, HTML, CSS, PHP.

Frameworks | Libraries: Angular, Spring Boot, Django, Selenium, ReactJS, Node.js, Scapy, NumPy, Pandas, Kafka.

Cloud | Databases: PostgreSQL, MySQL, MongoDB, DynamoDB, Google Cloud Platform(GCP).

Certifications & Training: Quality Assurance Analyst | Java Certification (Oracle). | Google Cloud AI Leader

Others: Git, Unix, Linux, Machine Learning, AI, IBM Data Analyst Professional Certificate.

POSITIONS OF RESPONSIBILITY AND EXTRA/CO-CURRICULAR

- Volunteered for department events at Dr. D. Y. Patil Institute of Technology Pune.
- Runner-up in Badminton Tournament at Dr. D. Y. Patil Institute of Technology Pune.
- Achieved top performance in the Zensar Employability Skill Development Program. Zensar Technologies.
- Completed JPMorgan Chase & Co. Software Engineering Virtual Program.