

Prathamesh Patil

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📍 Pune, Maharashtra, India



Education

Vishwakarma Institute of Information Technology

B.Tech. in Computer Engineering |

Relevant Courses: OOP in Java, Software Engineering, Design and Analysis of Data Structures & Algorithms.

Cloud Computing, Computer Networks, OS Fundamentals, DBMS

Jun, 2026

GPA: 8.88

Experience

SailPoint Technologies | Software Engineer Intern | Java, Typescript, REST APIs, OAuth2.0 | July, 2025 - Jun, 2026

- Built & managed **40+ SaaS connector integrations** using REST APIs and multiple authentication protocols, pagination style, schema validation, and consistent error handling across different managed system.
- Implemented **credential-provider support and implemented thread-safe token refresh** logic for connector with high-volume account aggregation.
- Designed a reusable **internationalization (i18n) utility** for connectors, that cut per-connector localization effort from **days down to under a minute**.

Projects

Mock Server CLI Tool

June, 2026

CLI tool to turn an OpenAPI spec into a stateful HTTP mock *TypeScript, Node.js, OpenAPI, OAuth2, CLI Tooling*

- Built a **TypeScript CLI mock server** that parses **OpenAPI/Postman specs** and exposes stateful REST endpoints with **in-process OAuth2/JWT (RS256)**, auto-detected CRUD resources, pagination styles, and AJV body validation.
- Implemented command to bulk-generate **schema-conformant test data** from spec schemas (enums, formats, required fields), with **auto cross-resource linking** (e.g., roleIds → roles.id) keeping the output deterministic.
- Applied on **SaaS connector development**, engineers point connectors at `/mock/<system>` instead of vendor sandboxes, eliminating credential/network blockers and enabling full pagination + auth flows locally or via Cloudflare quick tunnels.

Module Dependency Graph Generator

Nov, 2024

A dependency overview for early circular dependency detection

Python, Matplotlib, Graphviz, DSA

- Built a **dependency visualization and circular-dependency detection tool** for a multi-language codebase (C++/JS/Python/Ruby), **analyzing 1000+ files** via GitHub APIs.
- Implemented an **$O(m+n)$ graph-traversal** algorithm to detect cycles in real time and **reduce dependency root-cause analysis from hours to seconds**.
- Surfaced **build-time and runtime deadlocks early**, improving overall codebase reliability and reviewer throughput.

Achievements & Extra-Curricular

Competitive Programming

Ongoing

- Solved **500+ DSA problems** across LeetCode, Codeforces, and CodeChef; consistently ranked among top performers in college-level coding contests.

Technical Head | Student Empowerment Cell, VIIT

2024

- Led technical initiatives and workshops to upskill students.

Skills

Languages: Java, Javascript, Typescript, Node.js, SQL, Python

Technologies & Tools: Git, Github, Linux, Jenkins, Cloudbees, Gradle, Ant Postman, REST APIs, OAuth2.0, OpenAPI

Certifications: IBM Full Stack Software Developer Professional Certificate, Machine Learning – From Basics to Advanced.

Research & Patents

Paper: Extraction of Pharmaceutical Data from Medical Prescriptions using OCR |

Int. Journal For Multidisciplinary Research (IJFMR), Vol. 6, Issue 6, Nov 2024 | *Co-authors:* S. Khod, J. Patil, M. Mali.

Patent: A Hybrid Framework of Set Cover Formulation & Ant Colony Optimization for Cost-Effective, Time-Efficient Delivery

| *Republic Of South Africa Register of Patents*, App. No. 2025/07320, Granted on, 2026/03/23 |

Co-inventors: S. Rathi, S. Khod, Et al