

Pradumya Gaurav

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Summary

SDE-1 building backend automation for a background-verification platform with **Node.js**, **BullMQ**, **LLMs on AWS Bedrock** and the **WhatsApp Cloud API**. Owned two systems end to end: a verification automation that auto-starts **86%** of checks and cut manual tasks from **116 to 14 a day**, and a migration of 4 WhatsApp flows to Meta's Cloud API (**11K+ messages**, **~90%** of replies auto-routed).

Experience

SpringWorks (SpringVerify India)

Jan 2026 - Present

SDE-1 (Jul 2026 - Present), SDE Intern (Jan - Jul 2026)

Bengaluru

- Owned **reference-check automation** end to end (Node.js, BullMQ, React): auto-initiation, follow-up cadence, in-product verifier form and an SES email inbox. **86%** of checks now start automatically, manual initiation tasks fell from **116 to 14 a day**, and turnaround dropped **31%** (22.4 to 15.4 days) while throughput rose 8%.
- Shipped **LLM reply handling on AWS Bedrock (Claude)** to auto-raise no-reply, wrong-contact and opt-out cases: system-raised share **55% to 88%**, manual raises **down 66%**, system-closed tasks **10% to 63%**.
- Proposed and led the migration of 4 outbound WhatsApp flows from a third-party reseller to **Meta WhatsApp Cloud API** (41 PRs): webhooks, BullMQ queues, template sync, agent inbox and a 12-intent AI reply classifier, rolled out **1% to 100%** behind feature flags. **11K+ messages** in 10 weeks, **80-91%** delivered, **~90%** of replies auto-routed.
- Fixed production incidents, including a silent **65-hour** WhatsApp outage (live template fetch + Redis cache) and a rollout bug stalling **99%** of new campaigns. Improved **YOLO/OpenCV** document auto-crop recall **2.25x**.
- 148 merged PRs** across a Node.js backend, 3 React frontends and a Python AI service, including **36 test PRs**.

GetMax Solutions

Jan 2025 - Aug 2025

Software Engineer Intern

US healthcare revenue-cycle management

- Built the **GetMax Healthcare** platform end to end with **React** and **Node.js**, achieving a **100% Lighthouse** score.
- Delivered a **multi-tenant workforce-management system** for US healthcare with automated **RCM workflows** and **EHR API** integration.

IIIT Vadodara

Aug 2025 - Nov 2025

Teaching Assistant, Design and Analysis of Algorithms

Vadodara

- Mentored **200+ students**: ran practical labs and technical vivas, and evaluated assessments and exams.

Projects

Pawse / Watch-together app, React, Node.js, WebSocket, WebRTC

pawsetv.vercel.app

- Syncs play, pause and seek between two remote viewers over a **WebSocket** relay with clock sync and drift correction; streams own files peer-to-peer over **WebRTC** and falls back to sync-only mode for DRM platforms. Zero infra cost.

Bowl n Sticks / QR menu + admin platform, freelance client, Next.js, Supabase

bowl-n-sticks.vercel.app

- Digital menu and admin for a live cafe: **Supabase** Postgres with Auth and **Row Level Security**, permanent QR codes, drag-and-drop menu and media management, SQL migrations and tests.

Technical Skills

Languages	JavaScript, TypeScript, Python, SQL, Java, C++
Backend	Node.js, Express, BullMQ, Sequelize, REST, Webhooks, WebSockets, WebRTC, WhatsApp Cloud API
AI	LLMs (AWS Bedrock, Claude), LLM classification, YOLO, OpenCV
Frontend	React, Next.js, Redux (RTK Query), Tailwind CSS
Data & Cloud	MySQL, PostgreSQL, MongoDB, Redis, Supabase, AWS (SES, S3, CloudWatch), GitHub Actions, Vercel
Testing	Vitest, Mocha, Sinon, Playwright

Education

Indian Institute of Information Technology, Vadodara

Dec 2022 - May 2026

B.Tech in Computer Science and Engineering

CPI: 8.79/10

Publications

The Effect of Social Media on Body Image: A Peep into Identity and Self-Perception, co-authored chapter in *The Intersection of Social Media Technology and Digital Discourse* (ISBN 9363559572).