DURGESH VIJAY SHUKLA

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SUMMARY

Third-year Computer Engineering student at VIT Pune with a 9.4 CGPA. I have worked on four industry projects and some freelance web development, building web apps with React, Node.js and FastAPI on PostgreSQL, and trying out AI projects with LLMs. Looking for a software internship where I can keep learning and contribute to real products.

EDUCATION

Vishwakarma Institute of Technology, Pune | *B.Tech, Computer Engineering* — 2024 – 2028 | CGPA 9.4 / 10

M.G.T.S.M's Dadasaheb Dr. Suresh G. Patil College, Chopda | *HSC* — 2024 | 91.33%

Vivekanand Vidyalaya, Chopda | *SSC* — 2022 | 91.80%

TECHNICAL SKILLS

Languages: Python, SQL, C++, JavaScript, TypeScript
Web & Backend: React.js, Node.js, Express.js, FastAPI, Tailwind CSS, REST APIs
Databases: PostgreSQL, MySQL, MongoDB
AI & Data: LangGraph, RAG, Tableau
Tools & Core CS: Git, GitHub, Figma | DSA, OOP, DBMS, Operating Systems, Computer Networks

EXPERIENCE

Student Developer — Embel Technologies (Industry Project) | *AI Business Analyst Agent • team of 4* — Sep 2026 – Present

- Building an AI agent that turns client conversations and meeting notes into requirement documents, user stories and a sprint plan, so analysts do not have to draft everything by hand.
- I work on the backend and the flow between stages using FastAPI, LangGraph and PostgreSQL, with a human review step before each stage moves ahead.

Student Developer — Novela Engineer (Industry Project) | *AI surface defect detection • Python, MVTec AD dataset* — Ongoing

- Building a vision model that detects and classifies surface defects on ceiling fan parts from images, using the MVTec AD dataset.
- Learning how defect detection models are trained and how their accuracy is checked.

Freelance Software Developer — Bhave Crockery & Home Appliances | *React, Node.js, PostgreSQL* — Jul 2026 – Present

- Building a product catalogue website so the shop can show its products online: React on the front end, Node.js, Express and PostgreSQL on the back end, deployed on Vercel.
- I work directly with the client and update the site after each round of feedback.

Student Developer — Synture Solutions (Industry Project) | *Resume & job portal • React, FastAPI, PostgreSQL* — Mar 2026

- Part of a four-member team. I built the ATS resume scoring and resume creation features, which help students prepare resumes and interviewers screen them.
- The company gave us an official appreciation letter for the project.

Student Developer — Deepstambh Foundation (Industry Project) | *ReadAloud app • Flutter (Dart)* — Apr 2026

- Built a mobile app that reads PDFs, Word files and scanned images aloud and works offline, for people who prefer listening to reading.
- Part of the foundation's Manobal project. Received a certificate of completion and appreciation.

PROJECTS

SocietySync — Smart Apartment ERP | *Python, Streamlit, PostgreSQL, SQL*

- Apartment management app for residents, billing, complaints, visitors and polls, with 25+ features.
- Designed an 11-table PostgreSQL database in 3NF with 60+ SQL queries and role-based access. Tested with 44 users; queries ran in about 2–20 ms.

Prompt-to-Blueprint AI | *React, FastAPI, Python, ML*

- Generates house floor plans from a plain-English description, with a React page to view and edit them.
- Trained on 10,372 real floor plans. Gives three layouts in about 12 seconds, with a 97.3% zero-overlap rate across 200 test layouts.

Uzzkar — Community Borrowing & Rental Platform | *Web Technology course project • React, Node.js, PostgreSQL*

- Web app where neighbours borrow or rent items from each other, with booking, OTP handover, returns and reviews. Not launched yet.

RESEARCH & PATENT

- **8 research papers, 4 published** (IEEE, MAT Journals, CRC Press) and 4 under publication. Topics include a clinical-report summariser, a normalised database design for SocietySync, and civic-complaint detection on AWS.
- **Granted patent (South Africa, App. No. 2025/10607):** identifier system for harmful and banned substances in food and cosmetics. Co-inventor.

ACHIEVEMENTS & CERTIFICATIONS

- **Achievements:** Best Publishing Student of the Month and 1st on the CESAC Student Leaderboard (Oct 2026) | IdeaStorm Arena 2026 — Winner | CanHack 2026 — Grand Jury Finalist | Utkarsh 2024–25 — Gold Medalist & Best Volunteer
- **Certifications:** Google Data, Data, Everywhere | Tableau Visualization (UC Davis) | Python and AI Foundation (Infosys Springboard) | Full-Stack Web Bootcamp (London App Brewery)