

# Henil Jasminkumar Thaker

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## Profile

I am a software developer with a strong foundation in computer science and engineering, seeking to leverage my programming skills and project experience in a challenging role. With experience across front-end and back-end development, I bring together strong coding skills, and a commitment to delivering high-quality projects. From building interactive interfaces to managing databases, I enjoy transforming ideas into functional, scalable solutions.

## Professional Experience

### Software Engineer 1, J.P. Morgan Chase & Co.

Jan 2025 – Present

- Resolved high-priority bugs and upgraded major platform dependencies, cutting down recurring issues and support tickets by **20%**.
- Identified **5+** bottlenecks and stabilized them using multithreading in data workflows, reducing fetch time by **30–40%** and speeding up user queries.
- Expanded a user-defined function (UDF) framework to support **10,000+ user-defined functions**, enabling users to create, share, and manage reusable data-retrieval logic, enhancing collaboration across teams
- Implemented **robust conflict-resolution and version-management mechanisms** for UDFs, increasing feature stability and reducing user-reported issues related to naming/definition conflicts by **25%**.

### Software Engineering Intern, J.P. Morgan Chase & Co.

May 2024 – Jul 2024

- Contributed to backend services used by **multiple internal teams**, improving response consistency across **5+ APIs**.
- Cleaned up legacy API logic, reducing onboarding time for new developers by **~25%**.
- Followed **Agile, SQDC, and LEAN methodologies**, actively contributing to sprint ceremonies and cross-functional reviews, resulting in a **15–20% improvement in delivery predictability** and continuous quality enhancement.

## Certificates

- AWS Certified Cloud Practitioner 

## Education

### Bachelor of Technology, Computer Science and Engineering,

2021 – 2025

Sardar Vallabhbhai National Institute of Technology

CGPA: 9.28

## Skills

### Programming Languages

C, C++, Python, Java, HTML, CSS, Javascript

### Frameworks and Databases

ReactJs, NodeJs, ExpressJs, SpringBoot, JUnit, MongoDB, SQL

### Computer Science Fundamentals

Data Structures and Algorithms, Data Base Management System, Operating System, Object Oriented Programming, Computer Networking, Information Security

### Additional

Git, Github

## Personal Projects

### Custom Craft, An e-commerce website giving personalized shopping experience developed at Dotslash 7.0 within 30 hours.

- Developed product customization features (color, texture, image upload) to give users a more **personalized shopping experience**.
- Added 3D product previews with **360° viewing**, helping **80%+** of demo users make faster purchase decisions.
- Engineered a recommendation module showing **10+ relevant products** per customization, improving product exploration.
- Added a **secure payment gateway** to enable smooth and reliable checkout.

**Tech Stack:** Three.js, ReactJs, Flask, Tensorflow

### Chatify, A chat application that allows users to communicate with each other in real time.

- Integrated **Google OAuth** for one-click login, reducing signup time by **40%**.
- Enabled **image and document sharing** within the chat for better user interaction and engagement, which boosted message activity by **30%** in test groups.
- Built **anonymous chat rooms** where messages aren't saved, improving privacy and user freedom.

**Tech Stack:** ReactJs, Material UI, NodeJs, ExpressJs, MongoDB, PusherJs

### A1-Cakes, A website for a local cake shop in Surat.

- Introduced **user authentication** to make the platform more secure and easier to access.
- Designed a browsing and filtering flow that cut product search time from by **~50%**.
- Connected orders directly to WhatsApp**, reducing the owner's manual order processing time and managing effort by **25%**.
- Provided **admin tools** for adding, editing, and deleting cakes, including image uploads, to simplify bakery management.
- Tech Stack:** ReactJs, NodeJs, ExpressJs, MongoDB, JWT

## Achievements and Extra Curricular

- Secured **3rd** position in Dotslash 7.0 organized by ACM NIT Surat, out of **50+ teams**.
- Achieved a spot in **top 8** in Hack the Tank hackathon organized by GDSC NIT Surat out of **40+ teams**.
- 3159** Rank in Google KickStart 2022 Round G.