

# Harshit Vavaiya

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Date of Birth: 20/10/2000 | Nationality: Indian | Gender: Male | Address: Bamberg, Germany

## Summary

Dynamic software engineering professional with hands-on experience in web development and open-source contributions. Skilled in multiple programming languages and frameworks, with a proven ability to deliver innovative solutions in collaborative environments.

## Work Experience

### University of Bamberg

March 2023 - present

Student Assistant

- Proposed, designed, and developed a project that enhanced student understanding of a theoretical course.
- Contributed to the integration of complex algorithms into an open-source project.
- Rigourously tested implemented algorithms and resolved previously identified and unidentified issues with existing algorithms, which led to improved performance and increase in reliability of the algorithms.

### Metanoia Infotech

January 2022 – June 2022

Web Development Intern

- Designed, developed, and maintained a pharmaceutical corporation's website as part of a collaborative team.
- Successfully delivered 4 projects in 6 months, significantly expanding our company's client portfolio.
- Communicated effectively with clients to gather requirements and facilitate reviews.

## Skills

• German (A2)	• JavaScript	• Next.JS	• NoSQL	• Algorithm Design	• Teamwork
• English (C1)	• TypeScript	• React.JS	• PostgreSQL	• Web Development	• Task Management
	• Python	• Flask	• MongoDB	• Systems Design	• Problem Solving
	• SQL	• Tailwind CSS	• MySQL	• CI/CD	• Adaptability
	• C++	• Django	• Git	• Database Management	• Time Management
	• Computer Science	• Node.JS	• RESTful web services	• Testing	• Analytical Thinking

## Education

### University of Bamberg, Germany

October 2022 - present

Masters in International Software Systems Science

Grade: 2.3

Relevant Coursework: Data Streams and Complex-event Processing, Advanced Data Management, Algorithms, Tree Decomposition Algorithms, Applied Machine Learning with R

### P. P. Savani University, India

June 2016 – June 2022

Bachelors in Information Technology

CGPA: 9.13

## Projects

- Treedec:** an open-source project for computing tree decompositions, a NP-complete problem in graph theory.
- Project TAG:** an online platform to assist students in learning and implementing graph theory concepts.
- Personal Website:** personal website to highlight my projects, skills, and accomplishments.