

Siddharth Agarwal

LinkedIn: [linkedin.com/in/sidag99](https://www.linkedin.com/in/sidag99)

Email: siddharth.agarwal@stud.tu-darmstadt.de

Mobile: +49 157 57348649

SUMMARY

MSc Computer Science student and Software Engineer with 4+ years of experience building scalable applications. Contributed to hundreds of features across multiple product generations, with strong expertise in Java, Vue.js, and integrating AI services. Seeking a Working Student role to leverage full-stack capabilities on high-impact technical projects.

EDUCATION

- **Technische Universität Darmstadt** Darmstadt, Germany
MSc, Computer Science (Data Science) 2025 - Present
- **Thapar Institute of Engineering & Technology** Punjab, India
Bachelor of Engineering - BE, Computer Engineering 2017 - 2021

EXPERIENCE

- **Navarambh Software Pvt. Ltd.** India
SDE II Jul 2021 – Oct 2025
A B2B SaaS startup delivering a test case management system integrated directly into the Atlassian Jira ecosystem.
 - Led a large-scale frontend migration from Vue 2 to Vue 3 and TypeScript, refactoring 100+ components and integrating Quasar to future-proof the application architecture.
 - Developed 50+ reusable UI components utilized across major application modules, significantly enhancing codebase maintainability and development speed.
 - Engineered core Java backend services handling high-volume PDF generation, application data import/export, and seamless data migrations.
 - Accelerated data retrieval speeds by up to 40% for critical workflows by consolidating APIs and implementing Querydsl to optimize complex database queries.
 - Architected and deployed Generative AI features leveraging OpenAI/Azure AI Services via advanced prompt engineering, directly contributing to new client acquisition.
 - Integrated Jira using Atlassian APIs to enable users to create issues and access application data directly within their workflows.
- **Frugal Testing** India
SDET Intern Jan 2021 - Jun 2021
 - Designed JMeter load test scenarios simulating 1,000+ concurrent users for high-volume auction sites and banking portals, resulting in optimized system performance.
 - Developed 10+ end-to-end automation scripts utilizing Java and Selenium WebDriver, increasing overall test coverage.
 - Evaluated 20+ candidates in technical interviews and mentored incoming interns on test automation best practices.

SKILLS

- **Languages & Frameworks:** Vue.js, TypeScript, JavaScript, Java, C++, HTML, CSS, SQL, React.js
- **Tools & Cloud:** IntelliJ IDEA, WebStorm, JIRA, Confluence, Atlassian API's, Azure AI, OpenAI API's
- **Spoken Languages:** English (C1), German (Learning B1)

PROJECTS

- **3D Printer (2021):** Built a functional 3D printer with IoT capabilities for remote printing using Raspberry Pi and OctoPi.
- **Delivery Bot (2020):** Developed an autonomous line-following robot using Firebase, Arduino, and ESP8266.
- **AR Architect (2019):** Designed an Android AR app using Unity and Vuforia Engine to overlay 3D floor plans onto physical markers.

ACHIEVEMENTS

- **Smart India Hackathon 2020** (MHRD, AICTE, MIC, NCR Corp.): First-place winner for problem statement NH447 (NCR Corporation). Developed a hand gesture-based ATM pin entry system