

# Naveen Seth Hanig

Hamburg, Germany | German Citizen | [+49 1575 488 1694](tel:+4915754881694) | [naveen.hanig@outlook.com](mailto:naveen.hanig@outlook.com)  
[github.com/naveen-seth](https://github.com/naveen-seth) | [linkedin.com/in/naveen-seth](https://linkedin.com/in/naveen-seth)

## PROJECTS

---

**Google Summer of Code, The LLVM Infrastructure Project** . . . May 2025 – Sep 2025  
Contributor, [Blog Post](#)

- Delivered a functional prototype enabling driver-managed builds for C++20 standard modules and Clang modules
- Contributed to Clang's module dependency scanning tooling and resolved multiple bugs throughout the Clang frontend
- Ongoing: Integrating the driver-managed build prototype into Clang's main branch ([latest work](#))

**Practical Program in cooperation with MicroHarvest** . . . . . Apr 2024 – Jul 2025  
Product Owner, [Project Overview](#) Hamburg, Germany

- Developed a Raspberry Pi-based computer vision system to automate monitoring of lab experiments and alert staff on failure
- Managed sprints, backlog, and stakeholder communication in an interdisciplinary team of five students
- Earned certificate *Agile Project Management and Leadership* from Hamburg University of Technology

## EDUCATION

---

**Hamburg University of Technology** . . . . . Expected Jul 2026  
Bachelor of General Engineering Science, Specialization: Computer Science Hamburg, Germany

- Relevant Coursework: **Compiler Construction**, Computer Engineering
- Changed specialization from Medical Engineering to Computer Science in 2022

**Indian Institute of Technology Madras** . . . . . Jul 2024 – Dec 2024  
Exchange Semester, Department of Computer Science Chennai, India

- Relevant Coursework: Operating Systems, Algorithms and Data Structures, Pattern Recognition and Machine Learning

## SKILLS

---

**Programming Languages:** C++, C, Python, Haskell

**Tools:** CMake, Make, lit (LLVM Integrated Tester), GDB/LLDB, perf, Valgrind, Docker/Podman, Nix, MLflow, Linux, Emacs

**Spoken Languages:** English (native), German (native), French (B1)

## EXTRA-CURRICULAR

---

**Interests:** Active member of Chaos Computer Club Hamburg, regularly participating in CTF meetings and workshops

**Volunteering:** Completed a month-long internship assisting elderly residents at a local care home