Naveen Seth Hanig

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