

SANMATHI PARAMESWARAN




Summary


M.Sc. Water Resources Engineering student and Erasmus research intern with applied research experience across India, Germany, and Norway. Focused on water quality, stormwater systems, and micropollutants, with hands-on experience in laboratory testing, environmental data analysis, and research reporting. Seeking junior R&D or applied research roles in water and environmental engineering.

 <https://Kasim0616.github.io/sanmathi-portfolio>

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Skills

- Water & Environmental Engineering: water quality analysis, stormwater systems, PFAS assessment, wastewater treatment, soil & groundwater monitoring.
- Modelling & Simulation: HEC-RAS, Bentley WaterGEMS.
- Data & Tools: Python, RD Kit, EPI Suite. Microsoft Excel (data analysis, reporting)
- Microsoft Word & PowerPoint (technical documentation, presentations) Laboratory & Field Work: water quality testing, experimental validation, technical reporting.

Education

- University of Stuttgart, Germany , Oct 2023 – Present
M.Sc. Water Resources Engineering and Management (WAREM)
- National Engineering College, India , Aug 2018 – Jun 2022

Bachelor of Civil Engineering

Languages Known

- English C1
- German A2
- Norwegian A1 (in progress)

Experience

Erasmus Research Intern | NTNU | Trondheim, Norway | Dec 2025 – Present

- Working on applied research in stormwater pollutant clearance and water quality monitoring
- Processing and analysing environmental datasets to understand pollutant behaviour
- Supporting research workflows using Python, RDKit, and EPI Suite

Scientific Assistant | Aqua Aware | Stuttgart, Germany | May 2025 – Nov 2025

- Supported early-stage applied R&D for a mobile water quality monitoring application
- Conducted water quality laboratory testing and supported experimental validation
- Authored 8 educational articles on water quality and micropollutant impacts for app users

Environmental Trainee Engineer | Srusti Traders and Builders | India | Jan 2021 – Jun 2021

- Supported on-site water and soil monitoring activities
- Assisted with field data collection and environmental compliance documentation
- Compiled water quality data for reporting and evaluation