

# 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.

## 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)

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

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## 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