HARSH RAJ

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EDUCATION

International Institute of Information Technology - Hyderabad   *August 2025 - Present*
M.tech Computer Science and Information Security
National Institute of Technology Surathkal   *November 2020 - April 2024*
B.Tech Department of Civil Engineering   Overall GPA: 6.74/10

TECHNICAL SKILLS

Languages   C, C++, Java, Python
Web/App   HTML, CSS, Javascript

RELEVANT COURSEWORK

Data Structures	Algorithms
Computer Networks	Object Oriented Programming
Operating System	Database Management Systems

PROJECTS

Hydro Dynamic Energy Conversion through breakwaters   Jan 2024 - April 2024
Undergraduate Research

- Employed simulation software Ansys to carry out 20 simulations and analysed different shapes during oscillation

- Derived Lamb's dispersion relation for free oscillation and applied it to calculate wave energy and impact of different models

- Analysed simulated data to obtain the energy generated with different models to find the optimum design.

Blog   Click here
Personal Project

- Developed a full-stack blog application using Flask for backend routing and HTML for front end interface

- Handled form data securely using Flask request handling and basic validation

- Managed application state using an in-memory data structure (Python list)

SCHOLASTIC ACHIEVEMENTS

- Secured 98.01 percentile (amongst 1,200,000 candidates) in JEE Mains 2020 and 27897 CRL (amongst 160,000 candidates) in IIT-JEE Advanced 2020

- Achieved 173 rank in PGEE and 95.64 percentile in GATE 2025

- Qualified Pre-RMO and secured 42 marks in RMO

CODING EXPERIENCE

- Leetcode

- Hacker Rank

- Code Forces