

# Intel International Science and Engineering Fair Intel Foundation Young Scientist Award-2015



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15-year-old Indian-American boy **Karan Jerath** has won the prestigious 'Intel Foundation Young Scientist Award' (ISEF) for designing a device that shuts down undersea spills.



He explains his device: Sensors inside the 350-ton device would measure the temperature, pressure and density of the mix of gases and fluids erupting from a well. A computer would then calculate how values in the gadget should be adjusted so that the gas and oil can be collected as homogenous phases. That should stop a spill in its tracks. The device could help an ecological catastrophe and reduce cleanup costs. Jerath is also one of five students selected for the Intel and Ind-US Science and Technology Forum Visit to India Award. Among the other four, Raymond Wong won for his invention of sophisticated software to analyse the flow of air inside aircraft cabins. Nicole Tecia, on the other hand, developed a technique to diagnose infections by HIV, the virus responsible for AIDS.

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