# Kinshuk Shekhar

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## EDUCATION

| Qualification | Institution | Stream | Year | CGPA/ % |
|---|---|---|---|---|
| M.S. | IIT Bombay, Mumbai | Energy Science and Engineering | 2021 (currently pursuing) | 8/10 |
| M.S. | University of Washington, Seattle | Mechanical Engineering | 2017 | 3.1/4 |
| B.Tech. | VIT University, Vellore | Mechanical Engineering | 2013 | 8.15/10 |
| XII Board (CBSE) | HAL School, Lucknow | Maths, Science | 2008 | 77% |
| X Board (ICSE) | CMS, Gomti Nagar, Lucknow | Maths, Science | 2005 | 77% |

## PROJECTS

| Duration | Guide | Institution | Description |
|---|---|---|---|
| Jan 2016 to Aug 2017 | Prof. Ann Mescher | University of Washington, Seattle | **Effect of Atmosphere on Temperature of the Earth, calculated using Radiative Heat Balance** <br> The role of atmosphere in keeping the Earth warm was studied using the methodology of balancing the incoming radiation to the Earth's surface with the outgoing radiation from the Earth's surface. |
| Jan 2019 to June 2021 | Prof. Shireesh Kedare | IIT Bombay, Mumbai | **Study and Design of a Heliostat Field for India** <br> Genetic Algorithm was modified to obtain an optimal design of heliostat field. Then it was proposed to study the field parameters for designing a field for Indian conditions. |
| May 30, 2012 to Jun 29, 2012 | Prof. T.Sundararajan | IIT Madras, Chennai | **Design of Improved Efficiency Solar Collectors** <br> A receiver of a solar collector was analysed for improving the absorption of solar radiation. This receiver was shaped like an annular cylinder with a linear opening for light. The attempt was to convert the receiver into a black body. |

## AREAS OF INTEREST

- Fluid Mechanics
- Thermal Science

## AWARDS AND EXTRA/CO CURRICULARS

- Received "Riley Family Endowed Fellowship" in 2014-15 for $5000 (USD)
- Core committee member of VITMA (member of technical committee)
- Participated in events "Filter Design" and "DeltaT" at "GraVITas" organised by VIT, Vellore
- Had an all India rank of 185 in FIITJEE Talent Reward Exam organised by FIITJEE
- Had made into the extended Merit List of JEE; got call from IISER and also from UM-DAE, Mumbai
- Successfully completed 1-month Yoga course