Arnav Pandey

Sophomore, IIT Kanpur

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EDUCATION

●**Indian Institute of Technology Kanpur**, Uttar Pradesh, India
Bachelor of Technology, Mechanical Engineering,   *Oct'20 - Jul' 24 (Expected)*
●**DDEC Kanpur**, Uttar Pradesh, India
High School, (92.2% -CBSE),   *Jul' 20*
●**Sheiling House School Kanpur**, Uttar Pradesh, India
Secondary School Certificate, (96% -ICSE),   *May' 18*

AWARDS & ACHIEVEMENTS

Was awarded the **UPSTSE scholarship** by:-
the **UP Science & Technology Council (Govt. of UP,India)**

Secured **99 percentile** in JEE Advanced 2020 amongst 250,000 candidates
Secured **99.24 percentile** in JEE Main 2024 amongst 12,00,000 candidates
TOSC finalist- Was among the top 50 students across the nation in the Techkriti Open School Championship(TOSC),organized by IIT Kanpur

PROJECTS

Probability and Statistics:From Classical to Bayesian
got mentored by : The Stamatics Society,IIT-Kanpur   *Feb '21 - Jun '21*

- This was the project which I did under the Stamatics Society of IIT-Kanpur during my second semester in the year 2021.During the course of this project I worked with Bayesian Analysis and its computational applications.
- Got introduced to various famous problems such as the Birthday Paradox .

COURSEWORK

Introduction to Programming
Real Analysis and Multivariate Calculus
Linear Algebra
Ordinary and Partial Differential Equations
Introduction to Electronics

COMPUTER SKILLS

Languages: C/C++, MATLAB, LaTeX
Robotics: ROS(Robotics Operating System), AutoCAD,Fusion 360
Web Development: HTML5,CSS
Tools: Git, Excel

EXPERIENCE

●**Software Programmer,AUV-IITK**:
-Working on the navigation part of the bot to resolve the SLAM(Simultaneous Localization and Mapping) problem using odometry.
-Aiming to participate in the RoboSub '22,CA,USA and in the SAUVC '22
(Singapore Autonomous Underwater Challenge)
-Technologies being used:C++,ROS(Robotics Operating System),Gazebo,Git *Apr'21 - Present*
●**Secretary,Robotics Club-IIT Kanpur**   *Jul'21 -Present*

EXTRA CURRICULARS

●**Techweek 2020-21**: Led a team of 6 in the 7-day long tech event & stood in top 5 teams out of 120+ teams which participated in the event.
●**Entrepreneurship Cell,IIT Kanpur**: Was a volunteer at the E-Cell,IITK during which I worked at the logistical end for the vaious events conducted by the cell.