Maitri Khanna

Roll Number: 180104050
B.Tech - Civil Engineering
Minor in Product Design
Indian Institute of Technology Guwahati

+91-9418845000
khanna.maitri029@gmail.com
MAITRI@iitg.ac.in
www.linkedin.com/in/maitri-khanna-57268b177/

Education

Year	Degree / Certificate	Institute / Board	CGPA/Percentage
2018- Present	B.Tech	Indian Institute of Technology, Guwahati	7.44 (Current)
2018	Senior secondary	HPBOSE	96.2%
2016	Secondary	HPBOSE	96.85%

Projects

- **DIC Terrace Farming Bot**
  Inter IIT Tech Meet 8.0   *Nov-December 2019*
  Presented a Multipurpose lightweight robot which can easily climb terrace steps and perform various steps of farming like ploughing, seeding, watering, harvesting etc.

- **Antahsagiri**
  4i-labs IIT Guwahati   *July -Nov 2019*
  An underwater ROV being developed for observing under water, capable of fine movements and maneuverability. Worked on the simulation of bot under degisn team.

- **Stair Climbing with Load**
  Techeveince 6.0, Robotics Club.   *March-April 2019*
  A six-wheel bot capable of climbing stairs with load balancing feature. Based on gimbal and high torque DC motors, the bot has a wide area of its applications.

Technical skills

- **Programming languages :** C++*, Python, C
- **Web technologies :** HTML*, XML
- **Miscellaneous :** Android programming , Gazebo, ROS*
- **Operating system :** Windows, Linux
  * Elementary proficiency

Positions of Responsibility

- Core Team Member, Techniche 2020 (the annual techno-management fest of IIT Guwahati)
- Organiser at TechExpo, Techniche 2019
- Active member of Student body Association of Civil Engineers (ACE)IITG

Achievements

- **DIC Terrace Farming Bot:** Secured 2nd position in Intet IIT Tech meet among 20 other IITs.
- **TechEvince 6.0 :** Secured Jury's choice award for stair climbing with load project.
- **Joint Entrance Examination Advance 2018:** Secured All India Rank 8950 among 0.11 million candidates appearing for the test
- **HPCET 2018:** Secured State Rank 1 in HPCET
- **PUCET 2018:** Secured 99.802 percentile among 8890 students in PUCET-UG.

Key courses taken

- Computer lab(C)
- Product design
- Multivariable calculus
- Complex Analysis

- Real and Complex Analysis
- Electrical lab
- Remote Sensing

Extracurriculars

- **Campus Ambassador** of Girlscript Summer of Code(GGSoC)
- Participated in **KRITI**(Inter hostel Tech Competition)
- **Industrial Conclave :** Attended a 3-day session with Industrial experts during Techniche 2018.
- Titled as Miss Freshers IITGuwahati 2018.