



### EDUCATION

| Year | Degree/Exam                     | Institute                                       | CGPA/Marks |
|------|---------------------------------|---|------------|
| 2022 | B.TECH                          | IIT Kharagpur                                   | 6.83 / 10  |
| 2018 | Intermediate Public Examination | Telangana State Board of Intermediate Education | 97.4%      |
| 2016 | Secondary School Certificate    | Board of Secondary Education Telangana          | 10 / 10    |

### COURSEWORK INFORMATION

- Software Engineering (Theory and Lab)
- Programming and Data Structures (Theory and Lab)
- Probability and Statistics
- Database Management Systems (Theory and Lab - Ongoing)
- Algorithms (Theory and Lab)
- Switching Circuits and Logic Design (Theory and Lab)
- Machine Learning

### SKILLS AND EXPERTISE

**Programming :** C, C++ , Java, python  
**Scripting :** XML, Html, CSS  
**Libraries :** Numpy, Pandas  
**Tools :** Android SDK platform Tools, plant UML, Solid Works, MS Office  
**Operating Systems :** Windows, Linux, MacOS

### PROJECTS

- Android Application Development (Software Engineering - Course Project)** **May '20**  
 (Guided by prof. Debasis Samanta)  
**Git link :** <https://github.com/avanthikaD/SmartBot1>
- Developed a virtual assistant android application **Smartbot** which can potentially interact with its users through speech form and text form.
  - Designed with a simple interface to assist its users in performing many mobile related tasks such as making calls, creating events, browsing and setting alarms to name a few using their commands.
  - Used **XML** to develop the user interface, **Java** for backend development and **SQLite** as the local database in **Android Studio**.
  - Implemented complete Software Development Life Cycle (**SDLC**) for proper analysis, development, testing, deployment and enhancement of the code.

### POSITIONS OF RESPONSIBILITY

- Secretary Students Welfare** **Mother Teresa Hall of Residence** **[Aug'19 - May'20]**
- Garnered charity funds for **300+** under-privileged student children by coordinating **Donation Drive** in association with Gopali Youth Welfare Society and Child Rights and You, IIT Kharagpur Volunteer Chapter.
  - Successfully organised a mental health interactive session with counsellors for all the **200+** hall boarders in association with Institute Wellness Group, IIT Kharagpur.
- Governor** **Prasthanam - Technology dramatics Society** **[Aug'20 - present]**
- Diligently coordinated in planning, script work, direction and management of **8** plays (in Telugu).
  - Performed as an on-stage actor in more than **4** plays within a span of one and half years.
  - Organised and enacted in a virtual play(Telugu) on Youtube livestream.

### AWARDS AND ACHIEVEMENTS

- Secured a rank of 193 which is among top 2% of candidates nationwide in **JEE Advanced, 2018**.
- Secured a rank of 694 which is among nearly top 2% of candidates nationwide in **JEE Mains,2018**.

### EXTRA CURRICULAR ACTIVITIES

- Cultural :**
- Part of dance and anchoring teams at **Telugu Cultural Association**, IIT Kharagpur. **[Aug'18 - present]**
  - Part of lights team for the 'Best Direction' award winning stage play by Mother Teresa Hall of Residence in **General-Championship 2019-20**, IIT Kharagpur.
  - Part of the **Illumination Team**, Mother Teresa Hall of Residence, IIT Kharagpur.
- Sports :**
- Member of **NSO Women's Football Team**, IIT Kharagpur.