# SHREYA MOHANTY

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## Objective

I intend to be a part of an organization where I can constantly learn and develop my technical and management skills and make best use of it for the growth of the organization. I look forward to establishing myself by adapting new technologies as well.

## Education

| | | |
|---|---|---|
| Bachelor of Technology in Computer Science Engineering (2020-2024) | VIT-AP University, Amaravati,AP | CGPA:8.49 |
| Class 12 (2020) | St.Thomas' Girls Senior Secondary School, New Delhi | Board Exam:Percentage:95.4% |
| Class 10 (2018) | Convent of Jesus & Mary School, New Delhi | Board Exam : CGPA/Percentage:92.6% |

## Projects

· **Session Key Establishment using Public Key Cryptography for Smart Home Networks**

⬚ This project tries to implement the Diffie Hellman key exchange [5] as well as user input to overcome the issue of offline communication with the service provider .For better implementation, formal verification is required to prove or disprove the correctness of a protocol. This project presents a formal verification of the proposed scheme using Security Protocol Animator for AVISPA (SPAN).

⬚

· **MIND-CONTROLLED Wheelchair using Arduino implemented through C**

· Currently working on this project. The project aims to create a mind controlled wheelchair with a Neurosky Brainwave EEG headset and an app which tracks the information of the patient (including location, health stats, information of the address and so on) with increased obstacle resistance.

# Certifications

MACHINE LEARNING With Boston IT Solutions
MATLAB Basics with matlabacademy.mathworks.com

CUDA (GPU) Programming in accelerated systems with C++ with NVIDIA
Participated in GPU Codeathon organized by NVIDIA and reached the last round

# Skills & Abilities

**TECHNICAL SKILLS**
- **Languages**: Java,Python,C,C++
- **Platforms**: Windows XP/ 7/8/8.1/10, Linux, Ubuntu, Mac OS.
- **Web Design**: HTML, CSS.
- **Database**: MySQL.

# Areas of Interest

- AI and Machine Learning

- Database Management Systems.

- Software Engineering
- Cloud Computing.

# Personal Abilities

- Ability to make sound decisions.
- Good communication and organizing skills.
- Make people to understand the situation quickly.
- Pragmatic.

## Extra-Curricular Activities & Hobbies

- **Sports:** Cricket, Badminton. **Games:** Carom.
- Inconsistent blogging.
- Amateur gaming.
- Gazing at movies and giving ear to music.
- Trying to achieve the level of polyglot.