

# Mojesh Kumar Mahakur

Pre-final Year Student, RGIPT | Electronics Engineering Undergraduate

Male | 21

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## EDUCATION

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- **Rajiv Gandhi Institute of Petroleum Technology**  
*Bachelor of Technology – Electronics Engineering; GPA: 6.7*
- **ODM Public School, Bhubaneswar, Odisha**  
*Class 12<sup>th</sup>; Percentage: 83.8 % (CBSE)*
- **St. Anne's School, Titlagarh, Odisha**  
*Class 10<sup>th</sup>; Percentage: 93.2 % (ICSE)*

## SKILLS SUMMARY

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- **Languages:** C, C++, Java, Python, JavaScript, HTML/CSS, Verilog.
- **Software Skills:** MATLAB, AutoCAD, Arduino IDE, Figma, Sketch, Adobe XD, Adobe After Effects, Adobe Illustrator, Adobe Photoshop, PyQt5
- **Hardware Skills:** Arduino
- **Technical Skills:** RTL Design, IC Design, Digital Design, Analog Circuit Design.
- **Soft Skills:** Proficient in communication, Leadership Qualities, Proficiency in 3 languages

## PROJECTS

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- **Memory Chip Design using Cadence Virtuoso:** The 16-bit SRAM memory has been designed, implemented & analysed in standard UMC 180nm technology library using Cadence tool. We also analyse the read and write operation of the designed memory cell.
- **Enigma Project On C/C++:** This Project is based on cryptography. Using this system one can encrypt a text with the help of keywords, and decrypt it with the same keyword. This system allows various modes of encryption which in turn practically makes it impossible to retrieve the data without the keyword.
- **Automatic Flushing System using Arduino:** Smart flush will flush automatically once the person leaves the toilet seat. One doesn't need to flush after using the toilet. The smart flush will automatically flush once the person has left the toilet seat. This alleviates our pain of using an unhygienic toilet. It is small and can be easily retrofitted in any kind of public toilets including trains and buses.
- **UI design for a health monitoring mobile application.**

## POSITION OF RESPONSIBILITIES

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- Head, Designing Committee, IEEE- RGIPT Student Branch
- Head, Designing Committee, Owasp Student Chapter
- Executive, Designing Committee, Gyanarpan Project Amethi