

# Aditya Boddupalli

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## EDUCATION

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- **Vellore Institute Of Technology** Vellore, India  
*Bachelor of Technology - Electronics and Communication Engineering* July 2019 - June 2023
- **Srichaitanya Educational Institutions** Vijayawada, Andhra Pradesh  
*Intermediate - PCM* 2017 - 2019
- **Sri Chaitanya Techno School** Guntur, Andhra Pradesh  
*10th class* 2017

## SKILLS SUMMARY

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- **Languages:** Python, Javascript, C, C++, Matlab
- **Frameworks:** NodeJS, ReactJS,
- **Tools:** GIT,
- **Platforms:** Linux, Web, Windows, Arduino, Multisim, LT Spice
- **Soft Skills:** Leadership, Event Management, Time Management

## EXPERIENCE

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- **IEEE PES VIT**  
*Core Committee member (Full-time)* Dec 2020 - Jan 2022  
IEEE Power Energy Society is the world's largest forum for sharing the latest electric power technology developments, standards, and education. With IEEE PES we have done many projects on IOT and electronics.

## PROJECTS

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- **ROBOTIC ROVER FOR SCIENTIFIC RESEARCH** : This project deals with the design and control of automated vehicle type robots which can move in desired direction and location., scientific research and analysis to traverse inhabitable terrains and extreme weather conditions.
- **GREEN SYNTHESIS OF COBALT NANO PARTICLES**: In this project, cobalt nanoparticles were synthesized by an ecofriendly and cost effective method using Asparagus racemosus root extract and characterized using the technique of UV-visible spectrophotometry. The spectroscopic methods confirmed the formation of cobalt nanoparticles
- **Enhanced multichannel speech separation using Longshort term memory network and ICA for masking**: In this project, we propose a method to enhance the masking to separate multichannel mixed speech signal using Long-Short Term Memory (LSTM) network and increase the robustness using Independent Component Analysis (ICA)
- **AUTOMATED RAILWAY GATE**: This objective of the project is to provide an automatic railway gate at level crossing replacing the gates operated by the gate keeper using 8051 microcontroller (AT89S52)
- **Cricscore (Web scrapping, ReactJS)**: Through this web application the users will be able to access live updates, schedules and latest news on cricket matches.
- **Deep Reinforcement learning for Sepsis treatment**: We demonstrate that a deep Q learning strategy built on a Double Duplicating Q-Network (DDQN) architecture is a first step toward developing such systems
- **FASTAG TOLL COLLECTION USING RASPBERRY PI**: This project proposes the Raspberry based toll collection system for toll tax collection. Existing toll collection systems in India make use of manual cash transactions.

## COURSES

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- **The Complete Web Developer in 2022: Zero to Mastery**: Learn to code and become a Web Developer in 2022 with HTML, CSS, Javascript, React, Node.js, Machine Learning more!
- **Mastering Data Structures Algorithms using C and C++** : In this course we analysed and Implemented Data Structure using C and C++.