

MC Sharen Ganesh

A motivated student and a quick learner who believes in flexibility and innovation while being organised and dependable, has experience in working in team-based projects and organizations.

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PUBLICATIONS AND PROJECTS

NFT BASED BROWSER GAME | JUNE 2022

Replit: replit.com/@SharenGanesh029/NFT-Browser-Game-Practice

- A turn-based distributed multiplayer browser game backed by the **Ethereum Blockchain** (Goerli)
- On demand **unique ERC-721 token generation** for each player.
- **Solidity Contract** on block 7217652
- User interface made using **ReactJS**.

STUDY OF OPTIMIZATION TECHNIQUES FOR OPTIMAL LOCATION OF FACTS DEVICES | AUGUST 2021 - MAY 2022

<https://doi.org/10.1080/02522667.2022.2039470>

- Developed **MATLAB** code for ascertaining the **optimal sizing and location** of **G-UPFCs** (Generalized Unified Power Flow Controllers) using **ACO** (Ant Colony Optimization) Algorithm in **IEEE-14 bus systems**.
- Presented in the **3rd International Conference on "Renewable Energy Potential for Sustainable Initiatives"** (REPSI-2022), Journal of Information and Optimization Sciences (JIOS).

CHLORELLA PITUITA FOR AN OBESITY FREE WORLD; BY REGULATING OBESOGEN ACTIVITY | MARCH 2017 - MAY 2018

ISEF Project ID: 16543

- Regulating obesity due to obesogens using *Chlorella pituita*, a freshwater alga. Effects were tested on mice fibroblast cell lines (3T3-L1) induced with Polychlorinated biphenyl (PCB).
- Finalist at the **Intel International Science and Engineering Fair (ISEF)-2018**.

POSITIONS OF RESPONSIBILITY

- **IET-BVCOE STUDENT CHAPTER**
 - General Secretary | Jan 2022 – Present
 - Executive Member | Jan 2021 - Jan 2022
- **TEDxBVCOE**
 - Head of Documentation | April 2022 – Present
- **BVEST 2020 THE ANNUAL TECH FEST OF BVCOE**
 - Event Manager | April 2020 – November 2020
- **ZAAHIR THE THEATER SOCIETY OF BVCOE**
 - Head of Music | 2021 – Present
- **AAGAAZ THE MUSIC SOCIETY OF BVCOE**
 - Head of Classical Music | 2021 – Present

REFERENCES

DR. SANDEEP SHARMA (ASST. PROFESSOR)

Department of Electrical and Electronics Engineering

Bharati Vidyapeeth's College of Engineering, Paschim Vihar, Delhi

Email: sandeep.sharma@bharativedyapeeth.edu

EDUCATION

B. TECH IN ELECTRICAL AND ELECTRONICS ENGINEERING

8.91 CGPA | June 2019 - 2023

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, DELHI

CLASS XII - CBSE

86.17% | 2018 - 2019

MAHARAJA AGARSAIN PUBLIC SCHOOL

CLASS X - CBSE

9.2 CGPA | 2016 - 2017

MAHARAJA AGARSAIN PUBLIC SCHOOL

SKILLS

TECHNICAL

Python • ReactJS • OpenCV • HTML
CSS • Javascript • Microsoft Excel
Microsoft Powerpoint • \LaTeX
Solidity • Linux • Bash • Research

NON-TECHNICAL

Problem Solving • Documentation
Content Writing • Analytical Skills
Vocal Music • Guitar • Indian
Percussion

ACHIEVEMENTS

INTEL INTERNATIONAL SCIENCE AND ENGINEERING FAIR (ISEF)

| MAY 2018

Represented India in Intel ISEF, the world's largest pre-college STEM competition run by the Society for Science at Pittsburgh, Pennsylvania.

SCHOLARSHIP FROM THE CENTRE FOR CULTURAL RESOURCES AND TRAINING (CCRT)

| 2014-PRESENT

Achieved Scholarship in Carnatic Music (Vocal) under CCRT's Cultural Talent Search Scholarship Scheme. CCRT (Center for Cultural Resources and Training) is an organization under the Ministry of Culture, Government of India.