



NAMALA VENKATARAO

Roll Number: 2006014

B-Tech - CSE Engineering
National Institute of Technology, Patna

+91-7670832799

[M namalav.ug20.cse@nitp.ac.in](mailto:namalav.ug20.cse@nitp.ac.in)

[Github](#)

[in](#) [Linkedin](#)

[Personal Portfolio](#)

Education

•National Institute of Technology, Patna B.Tech — Computer Science and Engineering	2020 - 2024 CGPA: 8.43
•APSWR IIT & MEDICAL Academy, Kurnool Board of Intermediate Education, Andhra Pradesh	2018 - 2020 CGPA: 10
•St.Joseph's EM high school, Yernagudem Board of Secondary Education, Andhra Pradesh	2010 - 2018 CGPA: 9.7

Projects

- **Smart Grid Stability Prediction:**
-Asst Prof Krishna Kumar sethi
To predict the Electrical Grid stability using the machine learning models.
Based on dataset features we have trained the model to predict stability and its accuracy.
The goal is to increase the accuracy with Hyperparameter ([XGBoost](#), [MLP](#)) using ML models so that the prediction increase efficiency through grid optimization. Completed
[Github](#)
- **Client & server-based File encryption & decryption using TCP:**
-Prof Amit kumar singh
Project based on client send the file to server and server return encrypted/decrypted file.
Implemented using the Transmission Control Protocol ([TCP](#)) in the socket programming.
The goal of the project is to ensure that files are protected. Completed
[Github](#)
- **A MERN stack-based hostel management system:**
-Asst prof Bhaskar Mondal
To provide a computerized process of hostel management and registration process.
Implemented using backend MYSQL database and frontend using PHP.
To manage hostel activities, admission fees, room allotment etc. Completed
[Github](#)

Technical skills

- **Programming languages:** C, C++, Python, Java(basic).
- **Web technologies:** HTML, CSS, JavaScript.
- **Database:** MySQL, MongoDB(basic).
- **Operating system:** Windows, Linux.
- **Soft skills:** Teamwork, Time Management, Communication, Creative Thinking.
- **Area of Interest:** Software developing/designing, Web Development, Machine Learning, Data analyst

Positions of Responsibility

- Member of Development team, Science & Environmental (SE Club NITP): 2022-2023
- Captain at school and eco-club: 2015-2018.

Key courses taken

- Data Structures & Algorithms
- Computer Networks
- Machine learning
- Web Development
- Artificial Intelligence
- Compiler design
- DBMS
- Software Engineering

CERTIFICATIONS

- **The Joy of Computing Python | NPTEL:** (jan-2022 to april-2022) Secured 86%- ELITE .
- **Web Development workshop:** Attended workshop - WebLA.