

# Bondugula Babu

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## CAREER OBJECTIVE

Aspiring to build a career as a Software Developer where I can apply my academic knowledge and technical skills in programming, problem-solving, and software design. Passionate about developing efficient, scalable, and user-friendly applications. Eager to contribute to innovative projects in software development, web technologies, and emerging domains while continuously enhancing my technical expertise.

## EDUCATION

Degree/Certificate Year	Institute/course	CGPA/Percentage
M.Tech. 2026	<b>NIT Jamshedpur</b> Power system Engineering	7.58
B.Tech. 2024	<b>Institute of Aeronautical Engineering</b> Electrical and Electronics Engineering	6.86
Senior Secondary 2020	<b>Jesus Mary Joseph Jr College</b> Mathematics, physics, chemistry (MPC)	68.1%
Secondary 2018	<b>Bishop Beretta High School</b>	7.8

## PROJECTS

- **Power Management of Electric Vehicle Equipped with Battery and Supercapacitor Considering Irregular Terrain. | 2022**
- Developed a hybrid energy storage system combining batteries and supercapacitors.
- Simulated terrain-induced power fluctuations and optimized energy management

- Improved overall energy efficiency and reliability of EV powertrain under variable driving condition .
- **A Review On Electroculture, Magneticulture and Laserculture To Boost Plant Growth. | 2024**
- Conducted a comparative study on non-chemical methods (electric, magnetic, and laser fields) to enhance plant growth and agricultural performance.
- Applied analytical and research skills to to evaluate the efficiency of modern techniques for performance improvement.
- Gained experience in data interpretation , technical documentation, and systematic reporting of findings

### **SKILLS**

- **Programming Languages:** C++, C, Python
- **Software Knowledge:** MATLAB Programming and Simulink, Proteus Software
- **Additional skills:** Data Structures and Algorithms, Object Oriented Programming
- **Tools :** I.Tspice ,,Overleaf,Microsoft Office.i.e Excel , PowerPoint, Word
- **Skills :** Good communication skills, Good Team Player

### **EXTRACURRICULAR ACTIVITIES**

- Volleyball
- Cricket

### **ACADEMIC ACHIEVEMENT**

- Qualified **GATE -2025 in Electrical Engineering**
- Qualified **GATE- 2024 in Electrical Engineering**
- Qualified **JEE(MAIN)-2020**

### **POSITIONS OF RESPONSIBILITY**

- Hostel & mess secretary , National Institute of Technology Jamshedpur
- NSS Treasurer, Institute Of Aeronautical Engineering College
- Cultural Co-Head, Institute Of Aeronautical Engineering College