MANI S

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M Tech
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EDUCATION

- **Indian Institute of Technology, Mandi** — *2024*
  M Tech Electric Transportation — CGPA/Percentage: 8.18

- **GKM College of Engineering and Technology, Chennai** — *2013*
  B.E Electrical and Electronics Engineering — CGPA/Percentage: 6.47

- **St. Joseph's Matriculation Higher Secondary School, Maraimalai Nagar** — *2009*
  Higher Secondary Certificate — CGPA/Percentage: 61.16

EXPERIENCE

- **Tamil Nadu Public Works Department** — *2021-2022*
  Apprenticeship Trainee — Chennai
  - Identifying, analyzing, troubleshooting, and assisting electrical faults
  - Completing all assigned duties

- **Chip System** — *2014-2017*
  Service Engineer — Chennai
  - Repair and maintenance service of computer hardware and software
  - Operating system: Window, Mac, Linux

PERSONAL PROJECTS

- **Prediction via AI/ML of mode change in an EV bike using bio signals & terrain data** — *June 2023-June 2024*
  Project description(Predicting power mode change in e-bikes)
  - Tools & technologies used: Jupyter Notebook, Python
  - More description on the project (Effectiveness of the ML model in accurately predicting power mode changes in e-bikes)

- **Electric bus Air Conditioner control prediction with passenger forecast** — *January 2023-June 2023*
  Project description(Simulation based energy consumption in E-bus)
  - Tools & technologies used: MATLAB
  - More description on the project (Estimate the energy requirement for maintaining the desired cabin temperature inside an electric bus)

TECHNICAL SKILLS AND INTERESTS

Languages: Tamil, English, Hindi, German
Developer Tools: C, C++, Python
Design Software: MATLAB, Solidworks, Ansys, Altium, Photoshop, Premiere Pro, Fusion 360, nTop, PrusaSlicer
Soft Skills: Creativity, Designing, Problem-solving, Time management, Leadership
Coursework: Power Electronics, Electric Machines, Embedded systems, Energy storage, Additive Manufacturing, ITS
Areas of Interest: Electric Vehicles, Additive Manufacturing, Machine Learning

PUBLICATIONS

- **IB-RF: An Ensemble Model for Power Change Prediction in Electric Bicycles,** ICCCNT — *2024*
- **DES-KNORA Model: An Intelligent System for Power Mode Adjustment in E-bikes,** ICCCNT — *2024*

MEMBERSHIP & EXTRA CURRICULAR ACTIVITIES

- **IEEE Student member, Member of ASTM**
- **Hockey, Dance, Running, Cycling, Hiking & Trekking**