

# T. PURUSOTTAM REDDY

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## EDUCATION

**Parala Maharaja Engineering College, Berhampur** 2022 – 2026  
B.Tech – Computer Science and Engineering — CGPA: 8.27/10.0

**Regional Science Higher Secondary School, Surla** 2020 – 2022  
Class XII – Science — 79.8%

**CDT Vidya Mandir, Biswanathpur** 2019 – 2020  
Class X — 73.1%

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, C, JavaScript, SQL  
**Web Development:** HTML, CSS, React.js, Node.js, Express.js, MongoDB, Tailwind CSS  
**AI & Machine Learning:** TensorFlow, Keras, Scikit-learn, CNN, OpenCV, NumPy, Pandas  
**Data Analytics:** Power BI, Excel, Matplotlib, Seaborn  
**Tools & Platforms:** Git/GitHub, VS Code, Jupyter Notebook, Streamlit, Vercel, Render, Cloudinary

## PROJECTS

**GroNow – Smart Online Grocery Shopping Application**  
*Tech Stack: React.js, Node.js, Express.js, MongoDB Atlas, Tailwind CSS, Stripe, Cloudinary, Multer*

- Developed a scalable MERN-based grocery delivery web platform enabling users to browse, order, and manage groceries online.
- Integrated secure authentication, seller management features, online payment gateway, and Cloudinary-based product image management.

**SpendWise – Finance Management Platform**  
*Tech Stack: React, Node.js, Express, MongoDB, Tailwind CSS, Recharts, JWT, XLSX*

- Built a full-stack expense management system to track income and expenses with dynamic data visualization.
- Implemented JWT authentication, Excel export functionality, and interactive dashboards with financial analytics.

**AI-Based Crop Disease Detection System**  
*Tech Stack: Python, TensorFlow, Keras, Numpy, Pandas, Matplotlib, Streamlit*

- Implemented a CNN-driven solution achieving 90%+ accuracy in identifying crop diseases from leaf images.
- Developed a Streamlit-based interface for real-time detection and actionable insights for farmers.

## WORK EXPERIENCE

**Machine Learning & Deep Learning Intern – PMEC** Jun 2024 – Jul 2024

## CERTIFICATIONS

**Tata – GenAI Powered Data Analytics (Forage)** Jul 2025  
**AI & Machine Learning (Coursera)** Mar 2024  
**Full Stack Web Development (Udemy)** Oct 2023