Potluri Jaya Prakash Rao

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EXPERIENCE

- **CodeAlpha**   Hyderabad, Telangana
  Full Stack Development Intern   *Dec 2025 – Jan 2026*
  Developed full-stack web applications using the MERN stack as part of the CodeAlpha internship program. Built a Simple E-commerce Store featuring product listings, shopping cart, user authentication, and order processing. Designed and implemented a Social Media Platform with user registration, profiles, post creation, and like functionality. Worked with RESTful APIs, MongoDB database integration, and secure authentication using JWT. Gained hands-on experience in frontend development with React and backend development using Node.js and Express.js. Used Git and GitHub for version control and project management.

PROJECTS

- **Skin Cancer Detection System [GitHub]**:
  Developed an end-to-end deep learning pipeline for skin cancer detection using U-Net for lesion segmentation and GoogLeNet for classification of benign vs. malignant cases on the HAM10000 dataset.
  Integrated severity-level prediction into the system by correlating lesion features with clinical risk, achieving **84% classification accuracy** with near real-time prediction performance.
  Technology Used: Python, TensorFlow/Keras
- **Simple E-commerce Web Application [GitHub]**:
  Designed and implemented a full-stack e-commerce application using the MERN stack.
  Features included product listing, cart management, user authentication, and order processing.
  Implemented REST APIs and database schemas for products, users, and orders.
  Technology Used: React, Node.js, Express.js, MongoDB
- **Social Media Platform [GitHub]**:
  Built a social media web application supporting user registration, profile creation, post sharing, and likes.
  Implemented JWT-based authentication and protected routes.
  Designed MongoDB schemas for users and posts.
  Technology Used: React, Node.js, Express.js, MongoDB

EDUCATION

- **Chaitanya Bharathi Institute of Technology(CBIT), Hyderabad**   Hyderabad, Telangana
  M.Tech in Computer Science; CGPA: 8.91   *Oct. 2024 – Present*

- **Methodist College of Enginnering and Technology(MCET), Hyderabad**   Hyderabad, Telangana
  B.Tech in Computer Science; CGPA: 7.45   *November 2020 – March. 2024*

SKILLS

- **Languages**: Python, Java, JavaScript
- **Frontend**: React.js, HTML5, CSS3
- **Databases**: MongoDB, SQL
- **ML Data**: Numpy, Pandas, CNN

ACHIEVEMENTS AND RESPONSIBILITIES

- **IBM Internship on Data Science**:
  Completed an industry-oriented internship focused on data analysis, machine learning concepts, and real-world problem solving. Gained hands-on experience with Python, data preprocessing, and building data-driven solutions.
- **2nd Place — CODE-DECODE Hackathon**:
  Secured 2nd position in a competitive coding hackathon by solving problem-statement-based challenges under time constraints. Demonstrated strong analytical thinking, teamwork, and algorithmic problem-solving skills.
- **Organized MOCK-CID Coding Contest**:
  Organized and managed a coding contest to promote competitive programming and problem-solving among students.