CH.D.G Shankar Bonam

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Portfolio — LinkedIn — GitHub

Summary

AI/ML enthusiast and full-stack developer with hands-on experience in Python, JavaScript, and Java. Skilled in building scalable web applications, RESTful APIs, and real-time systems using MERN stack technologies. Strong foundation in data structures, algorithms, and problem-solving. Passionate about applying AI/ML and software engineering to SaaS, enterprise platforms, and innovative products.

Education

Bachelor of Technology (B.Tech), Computer Science (AI & ML)
Aditya College of Engineering and Technology, Surampalem   *Jun 2022 – Present*
CGPA: 8.24/10 (current)

Intermediate (12th) – Pragati Vidyala Junior College, Samalkota   *Jun 2020 – May 2022*
Percentage: 87%

Secondary School Certificate (10th) – Lutheran E.M. School, Peddapuram   *Jun 2019 – May 2020*
Percentage: 76%

Experience

SmartBridge Internship – Full-Stack Development   *May 2024 – Jun 2024*
- Built a full-stack property rental application using React.js, Node.js, Express.js, and MongoDB.
- Designed and developed RESTful APIs, integrated database management, and deployed scalable web applications.
- Gained experience in software development lifecycle, Git/GitHub collaboration, and Agile workflows.

Sentiment Analysis Internship – NLP Project   *Feb 2024 – Apr 2024*
- Developed an NLP-based sentiment classifier using Python, Scikit-learn, NLTK, and SpaCy.
- Applied preprocessing pipelines: tokenization, stemming, and stop-word removal for text data.
- Trained and evaluated ML models using accuracy, precision, and recall metrics.
- Created simple dashboards for visualization and reporting of sentiment results.

Technical Skills

Languages: Python, JavaScript (ES6+), Java, C++
Frameworks: React.js, Node.js, Express.js, Tailwind CSS
Databases: MongoDB, SQL (MySQL, PostgreSQL)
AI/ML: TensorFlow, Keras, Scikit-learn, PyTorch, NLTK, SpaCy
Tools: Git, GitHub, VS Code, Jupyter Notebook, Google Colab
Core CS: Data Structures & Algorithms, OOPs, DBMS, Operating Systems, API Development

Projects

Digital Diner – Food Delivery Platform (Live Demo)
- Developed a full-stack restaurant ordering system with cart, wishlist, authentication, and order history.
- Built RESTful APIs with Node.js and Express.js, integrated with MongoDB for order and menu management.
- Designed responsive UI in React.js and Tailwind CSS, improving customer experience.
Tech Stack: React.js, Node.js, Express.js, MongoDB, Tailwind CSS

Social Media App – Real-Time Collaboration
- Built a MERN stack social platform with user authentication, posts, connections, notifications, and chat.
- Integrated WebSockets (Socket.IO) for real-time messaging, collaboration workspaces, and event-driven background jobs using Clerk and Inngest.
- Designed modular APIs for posts, comments, and messaging with Express.js and MongoDB.
Tech Stack: React.js, Node.js, Express.js, MongoDB, Socket.IO, Clerk, Inngest, Tailwind CSS

House Rental Application – Property Platform
- Developed a rental listing platform with authentication, property posting, and booking features.
- Designed scalable backend APIs and integrated MongoDB for property data management.
- Built responsive React.js frontend for smooth navigation and search functionality.
Tech Stack: React.js, Node.js, Express.js, MongoDB, Tailwind CSS

Achievements

- **Certifications:** NLP with Python (APSSDC, 2024), Web Development (Udemy, 2023), Java Programming (Udemy, 2023)

- **Competitive Programming:** Solved 140+ problems on CodeChef, 90+ on GeeksforGeeks (School Rank 15), 20+ on LeetCode (Top 50%)

Languages

Telugu: Native — **English:** Professional — **Hindi:** Limited — **Japanese:** Beginner (JLPT N5)