Venu Madhav Bandarupalli

+91 7013132732
Full stack Web Developer || AI & ML Developer

bandarupalli.venumadhav.2541@gmail.com
Leetcode || **CodeChef** || **GitHub** || **LinkedIn**

Profile Summary

Dynamic Full Stack Developer with over 1 year of practical experience in developing and deploying scalable web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js). Proficient in integrating AI and machine learning features into web applications, enhancing functionality and user experience. Possesses a solid understanding of software engineering principles, data structures, and object-oriented programming.

Education

- **B.Tech in Computer Science & Engineering (AI & ML)**
  - RVR & JC College of Engineering | 2021 – 2025 | **CGPA: 9.04**
- **Honor Degree in Full Stack Web Development**
  - RVR & JC College of Engineering | 2022 – 2025 | **CGPA: 8.0**
- **Intermediate (MPC - Mathematics, Physics, Chemistry)**
  - Narayana Junior College | 2019 – 2021 | **Percentage: 95.6%**
- **10th Grade (SSC)**
  - Vasavi High School | 2019 | **CGPA: 9.8**

Experience

Cognizant Technology Solutions – *Programmer Analyst Trainee || January - April 2025*

- Spearheaded the development and implementation of an **Investment Portfolio Management** system for over 50 active users, resulting in a 30% increase in user engagement and enhancing overall user satisfaction.
- Engineered and implemented over 15 high-performance RESTful APIs, which reduced backend latency by 40% and significantly improved inter-module communication.
- Optimized cloud infrastructure utilizing Azure services, decreasing system downtime by 50% and increasing scalability to support a 10x user load.
- Facilitated Agile (Scrum) practices, leading sprint ceremonies and fostering collaboration to ensure the timely delivery of 5+ modules.

Projects

Fake News Detection using DeBERT
NLP | Deep Learning | Transformers | Python

- Created a Fake News Detection app processing text, URLs, and images for improved accuracy in identifying misinformation.
- Constructed an advanced DeBERT v3-based model for fake news classification, achieving over 99% accuracy on real-world datasets.
- Applied transfer learning and attention mechanisms to develop a model for detecting politically biased content with high accuracy.
- Deployed the model via a **Flask** web application for real-time news verification with an interactive user interface.

Calendar Application for Communication Tracking | Link
Full Stack | ReactJS | Node.js | MongoDB

- Architected and deployed a full-stack calendar application for 500+ users using ReactJS, Node.js, and MongoDB, enabling seamless event scheduling and increasing team collaboration by 25%.
- Integrated JWT-based role-based access control and a drag-and-drop calendar UI for real-time scheduling.
- Optimized backend APIs to manage over 1,000 concurrent events with sub-200ms response times by implementing asynchronous processing and MongoDB indexing.
- Incorporated real-time notifications and calendar alerts, resulting in a measurable 25% improvement in team productivity and meeting coordination.

Skills

- **Languages:** Python, Java, C#, SQL
- **Frameworks:** ASP.NET Core, ReactJS, NodeJS, Express.js.
- **Tools & Platforms:** Microsoft Azure, Git, Azure DevOps
- **Concepts:** RESTful APIs, Agile (Scrum), AI/ML (NLP, Transformers), MongoDB
- **Soft Skills:** Proven ability to lead team-based projects, effectively coordinate tasks, and drive successful project completion within deadlines.

Certificates

- **Udemy**:
  - Agile Project Management,
  - Linux Command Line, Shell Scripting,
  - Git,
  - MS SQL A-Z,
  - Entity Framework Core,
  - ASP.NET Core 9,
  - Azure DevOps,
  - Python Programming,
  - Microsoft Azure Fundamentals (AZ-900).

- **Wipro Talent-Next Program**:
  - C#(.Net) Full Stack | **Link**
  - Artificial Intelligence

Achievements

- Achieved **1st Prize** in a college-wide **Web Development** contest by delivering a highly responsive MERN-based application, showcasing modern UI/UX design and seamless database integration.
- Earned **1st Prize** in **WEB MANTRA**, a college coding contest organized by the **SWAA club** (Department of MCA), by demonstrating advanced skills in web development.