

Hemanth Kumar Bogireddy

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Education

Vignan University, Guntur

B.Tech. in Computer Science and Engineering

- GPA: 7.36/10

Projects and Experience

TalentTrade – MERN Stack Project

[GitHub](#)

- Designed and deployed a full-stack **MERN-based peer-to-peer skill exchange platform**, enabling 100+ monthly skill trades with a secure and scalable architecture.
- Developed a responsive **React.js frontend** with optimized state management and an intelligent **matching algorithm**, boosting user engagement by 30%.
- Integrated **Node.js REST APIs** with MongoDB schemas to ensure seamless data flow and real-time updates.

ServiceNow Virtual Internship Program

SmartBridge (AICTE & ServiceNow Partnership) – Remote

- Automated enterprise workflows in **ServiceNow**, cutting IT service request resolution time by 25%.
- Customized UI dashboards and forms, enhancing usability and reducing user error rates by 15%.
- Earned **6 ServiceNow certifications** and applied knowledge in real-world case studies.

Publications

Unlocking Caloric Insights: A Predictive Model for Fitness Tracking

[Springer](#)

- Published in **ICIVC 2025 (Springer Proceedings)**: Co-authored and developed a machine learning model predicting caloric burn with over 96% accuracy.

Technical Skills

Programming Languages: C, C++, Java, HTML, CSS

Frameworks & Technologies: MERN Stack (MongoDB, Express.js, React.js, Node.js), Machine Learning

Tools & Platforms: Git, GitHub, ServiceNow, Postman API, LaTeX

Cloud Services: AWS (IAM, S3, VPC, EC2, SQS, SNS, Load Balancer, Auto Scaling)

Certifications and Achievements

- Microsoft Career Essentials in Generative AI [\[View\]](#)
- Web Development Internship – Prodigy InfoTech [\[View\]](#)
- Preliminary English Test (B1 Level) – University of Cambridge
- NPTEL: Management Information Systems & Leadership and Team Effectiveness
- Co-authored a research paper presented at ICIVC 2024 on predictive modeling and algorithm optimization
- Coordinated national-level tech fests (**Mahotsav & Surjunkara**), overseeing event operations and stakeholder engagement [\[View\]](#) [\[View\]](#)

Leadership & Activities

- Directed operations for the **Mahotsav cultural fest**, managing logistics for 500+ participants with a team of 15+.
- Led the **Surjunkara technical fest**, overseeing 300+ registrations, speaker sessions, and event coordination.
- Mentored peers in university coding clubs by conducting sessions on **web development, data structures, and algorithms**.