

Vaishakh Pavan Ganesh R

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Education

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| BMS Institute of Technology and Management CGPA: 9.68 <i>B.E in Computer Science and Business Systems</i> | 2023 – 2027 |
| Shree Vani PU College Percentage: 96.16% <i>Pre-University Education</i> | 2021 – 2023 |
| Carmel Jyothi High School Percentage: 99.68% <i>Primary & Secondary School Education</i> | 2008 – 2020 |

PROJECTS

AI-Based Internship Recommendation System

- Developed a two-stage recommendation engine where a JavaScript algorithm computes a Skill Match Score, improving match relevance by 30% through weighted skill-tag analysis.
- Integrated LLM-based refinement with structured JSON prompting to generate 35 personalized internship recommendations with explainable justifications, reducing manual search time by 40%.

Inventory Management System

- Engineered a full-stack Inventory Management System using MySQL and MongoDB to manage 1,000+ product records with optimized CRUD operations.
- Implemented automated threshold-based low-stock alerts and real-time reporting modules, reducing stockout risk and improving inventory tracking efficiency by 25%.

PUBLICATIONS

- Presented and published a research paper titled *AI Based Internship Recommendation System* at the 10th IEEE International Conference on Smart Structures and Systems (ICSSS 2025), held in December 2025.

TECHNICAL SKILLS

- Programming Languages:** C, C++, Java
- Web Development:** HTML, CSS, Bootstrap, JavaScript, Node.js, Express, React
- Database and Backend Services:** MySQL, MongoDB, Supabase

CERTIFICATIONS

- Foundations of Cybersecurity from Google
- Programming in C from Infosys Springboard

LEADERSHIP & EXTRACURRICULARS

- Class Representative, B.E. CSBS – Elected as liaison between faculty and 60+ students, coordinating academic communication and class activities.
- Shortlisted for Round 2 in EY Techathon 5.0, competing among multiple teams to propose innovative technology-driven solutions for real-world business challenges.
- Competed in Tech4Tomorrow Hackathon conducted by VIT, collaborating in a team to design and prototype solutions within limited time constraints.
- Participated in Code Red '26 Hackathon conducted by BMSIT&M, engaging in problem analysis, solution development, and technical implementation in a competitive setting.
- Presented innovative ideas at a National-Level Ideathon organized by BIT, Bengaluru, proposing structured solution approaches for contemporary technological challenges.