Harshitha Lingamaneni

B.Tech, Computer Science and Engineering

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EXPERIENCE

Full-Stack Development Intern — Aug 2026 - Present

Vignan's Foundation for Science, Technology & Research — *Guntur, India*

- **Portal Enhancement (VIMS)**: Revamped the Vignan's Intelligent Event Management System by integrating a real-time weather API to dynamically update portal backgrounds, and optimized video performance by converting media from MP4 to WebM format for faster loading and reduced server load.
  Technologies: JSP, Servlets, MySQL, JavaScript
- **Registrar Document Management System**: Developing a role-based workflow system for document entry and approval supporting three roles: Data Entry Operator (DEO), Assistant Registrar (AR), and Registrar.
  Technologies: Java Servlets, JSP, MySQL
- **Role-Based Features**: Implemented dashboards for each role:
  * **DEO:** Submit bills, upload supporting documents, track status with filters.
  * **AR:** Review and approve DEO submissions before forwarding to Registrar.
  * **Registrar:** Final authority to approve/reject submissions after review.

EDUCATION

- **Bachelor of Technology in Computer Science & Engineering** — 2022 - Present
  Vignan's Foundation for Science, Technology & Research — *CGPA: 8.10 (Till 6th Semester)*

SKILLS SUMMARY

- **Programming Languages**: C++ (Strong), Java (Intermediate), Python (Intermediate), C (Intermediate)
- **Web Technologies**: HTML, CSS, JavaScript, JSP, Servlets, RESTful APIs
- **Full-Stack Development**: MERN Stack (MongoDB, Express.js, React.js, Node.js)
- **Databases**: MySQL, MongoDB
- **Developer Tools**: Git, GitHub, VS Code, Eclipse, IntelliJ IDEA, Postman, Render, Vercel, Google Colab
- **Relevant Coursework**: DSA, OOP, Software Engineering, DBMS, OS, CN, ML, AI

PROJECTS

Mahotsav - Event Management System — ⊙ **GitHub | 🌐 Live:**

- Built a role-based event management platform using the MERN stack.
- Roles supported:
  * Admin → create and manage events
  * Lead/Coordinator → view/manage registered users
  * User → register and edit details
- Implemented JWT authentication and dashboards, enabling 50+ concurrent festival registrations.
- Tech Stack: MongoDB, Express.js, React.js, Node.js, Tailwind CSS, JWT Authentication

Student Magazine Portal — ⊙ **GitHub | 🌐 Live:**

- Designed a departmental magazine portal for CSE students using MERN stack.
- Developed dual user roles:
  * Student Coordinators → submit articles, images, and event reports
  * Admin → review, approve, and publish submissions
- Added PDF generation for compiling approved content into downloadable magazine editions.
- Achieved 30% faster content approval cycle by automating reviews and integrating responsive UI.
- Tech Stack: MongoDB, Express.js, React.js, Node.js, Tailwind CSS, Puppeteer (for PDF export)

Email Spam Detection — ⊙ **GitHub:**

- Built a spam detection model using LightGBM with feature fusion techniques (Count Vectorizer, TF-IDF, Word2Vec).
- Used text preprocessing (tokenization, stopword removal, stemming) to improve classification.
- Achieved 98.6% accuracy, evaluated with precision, recall, F1-score, confusion matrix, and ROC curve.
- Tech Stack: Python, Scikit-learn, LightGBM, NumPy, Pandas, Matplotlib, Seaborn

ACHIEVEMENTS & CERTIFICATIONS

- Solved 300+ DSA problems on platforms like LeetCode, GFG. — **LeetCode 🗗 | GFG 🗗**
- 1st Prize – VCode Fest Web Hackathon (Slow Learner Supportive System). — **Certificate 🗗**
- 5th Prize – CSE Dept. Web Hackathon (Event Management System). — **Certificate 🗗**
- PET English Proficiency Test – Scored 153/170 (B1 Level, CEFR). — **Certificate 🗗**

POSITION OF RESPONSIBILITIES

- Secretary – Technical Design, Sports Department, Vignan's University (2024-2025) — **Certificate 🗗**
- Coordinator – Promotions & Direct Marketing, Vignan Mahotsav (2024) — **Certificate 🗗**
- Volunteer – Football, Vignan Mahotsav(2023) — **Certificate 🗗**