SHISHPAL POLAMPALLY

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Education

Indian Institute of Information Technology, Pune	**2022 - 2026**
B.Tech in Computer Science & Engineering	*7.62 CGPA*
Sri Chaitanya Junior College, Hyderabad	**2020 - 2022**
Telangana State Board of Intermediate Education	*93.5%*
Dr.KKR Gowtham Concept School, Hyderabad	**2020**
Board of Secondary Education, Telangana	*10 CGPA*

Projects

DevStack   Live   Source Code
- Built a developer blogging platform using the **MERN stack** for knowledge sharing, discussions, and community-driven content creation.
- Implemented **JWT-based authentication** with **role-based access control** and **Google OAuth** integration for secure user authentication.
- Improved blog search and filtering performance by adding **MongoDB indexes** on title, content, and tags fields, enabling faster query execution and scalable retrieval.

ClassFlow   Live   Source Code
- Developed a collaborative **Q&A** platform using the **MERN stack** for students to ask and answer.
- Implemented unique code generation for each question using **crypto**, ensuring that the user will have a unique code for each question.
- Implemented **lazy loading** and **pagination** for viewing question creation history, along with **Socket.io** for **real-time answer** views.
- Achieved **99 Performance**, **96 Best Practices**, and **90 SEO** scores in Lighthouse

MovieMate: AI-Powered Movie Recommendation Web App   Live   Source Code
- Built with **Python**, **Flask** and **Scikit-learn**, designed to personalize movie suggestions based on user preferences and history.
- Implemented a content-based **Machine Learning** recommender system using **TF-IDF** vectorization and **Nearest Neighbors** algorithm to suggest similar movies based on user search history.
- Integrated **TMDb API** for trending movie data, and added **Flask-WTF** forms for secure user **Authentication** and image-based profiles.
- Designed a responsive and interactive UI using **HTML** and the **Bootstrap** framework.

Technical Skills

Languages: C++, JavaScript, SQL, Python, Java
Backend: Node.js, Express.js, Flask, RESTful APIs, Flask-WTF
Frontend: React.js, TailwindCSS, HTML, CSS, Bootstrap, Redux
Machine Learning & AI: Scikit-learn, TF-IDF, Nearest Neighbors, Supervised Learning
Clouds & Databases: PostgreSQL, MongoDB
Web Technologies: Socket.IO
Developer Tools: Postman, VS Code, GitHub, Git (version control)

Coursework

Data Structures and Algorithms	Software Engineering	Computer Network
Operating System	Object-Oriented Programming	Database Management System

Achievements

- Winner of **Eklavya college volleyball Tournament, 2024**.
- Ranked in the **top 2.7%** among 9 lakh candidates in **JEE Mains, 2022.**
- Secured **Rank 3018** in **TS EAMCET** among 1.7 Lakh candidates.