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

ClassFlow   **Live   Source Code**
- Developed a collaborative **Q&A** platform using the **MERN stack** for students to ask and answer.
- Achieved **99 Performance**, **96 Best Practices**, and **90 SEO** scores in Lighthouse
- 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.

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.
- Faced performance issues with blog retrieval; optimized queries using **MongoDB** aggregation and lean queries to **improve response time**.

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.

Market WebApp   **Source Code**
- Developed a fully functional web application to simulate a marketplace where users can register, login, and trade items, focusing on user authentication and financial transactions.
- Implemented **Flask-Login** for secure sessions, with **Bcrypt** for password hashing.
- Utilized **PostgreSQL** for data management, item fetching, budget updates, and transaction records

Technical Skills

Languages: Python, Java, C++, JavaScript (ES6+)
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: AWS, PostgreSQL, MongoDB
Web Technologies: Docker, 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.