






Aditya Kumar

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Summary

Passionate **MERN** stack developer with proficiency in **data structures & algorithms**, and basic machine learning. Dedicated to building scalable web applications, optimizing performance, and leveraging technology to create innovative, real-world solutions that drive meaningful impact.

Skills

- **Programming Languages:** | Python | C | C++ | Java | JavaScript | SQL | PHP |
 - **Frontend Technologies:** | HTML | Bootstrap | JS | TailwindCSS | React |
 - **Backend Technologies:** | Flask | Node.js | Express.js | RESTful API | AWS
 - **Database Technologies:** | SQL(MySQL) | MongoDB |
 - **Developer Tools:** | Postman | Tableau | Git & GitHub | n8n
 - **Data Visualization Libraries:** | Matplotlib | Seaborn | Plotly Express |
 - **ML Frameworks:** | NumPy | Pandas | Scikit-learn |
 - **Operating Systems:** | macOS | Linux | Windows |
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Projects

Movie Recommendation Bot

- **Tech Stack:** Implemented using **Python** and **Scikit-learn** for seamless interaction.
- **Personalized Movie Recommendations:** Uses **K-Nearest Neighbors (KNN)** to suggest movies based on user preferences and similarity scores.
- **Content-Based Filtering:** Recommends movies by analyzing **genres** and **user viewing history**.

Disaster Response & Management

- A system designed for effective disaster response and management
 - Developed a Disaster Response and Management System using the **MERN stack** with **NASA** and **OpenWeather APIs** for real-time disaster tracking.
 - Implemented interactive maps and secure **role-based access** via **JWT authentication**.
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Education

New Horizon College of Engineering

Bachelor of Engineering in **CSE (Data Science)**

CGPA : 9.28(Till 4th Sem)

Expected by August 2027

Achievements

2nd Prize – Tech Olympics

20th ISTE Karnataka State Student Convention 2024-25
New Horizon College of Engineering,
March 2025

2nd Prize Hackathon 'Code Battle -2k25'

24-Hour National Hackathon by VDRIT
IEEE & IEEE Mangalore Subsection,
March 2025

Certifications

- **The Complete Python Pro Bootcamp** ([Udemy Link](#)) – Python Programming, Data Visualization, Web Development, GUI