

# SURIYANARAYANAN G

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## PROFESSIONAL SUMMARY

Full-Stack Developer with experience in MERN stack and Python Flask, specializing in scalable backend systems, responsive UI development, and PDF automation. Proven ability to design and implement efficient solutions from concept to deployment. Strong problem-solving skills with focus on performance optimization and clean code architecture.

## TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, SQL, C, C++, HTML5/CSS3
- **Frontend:** React.js, Next.js, Responsive Design
- **Backend:** Node.js, Express.js, Flask, REST APIs
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Tools & DevOps:** Git, Docker, Postman, AWS (EC2, S3), Linux
- **Libraries:** NumPy, Mongoose, JWT
- **Methodologies:** Agile/Scrum, Test-Driven Development, Clean Architecture

## EXPERIENCE

### Junior Software Engineer Intern

Mar 2025 – Jul 2025

*SkillRank* — Remote

- Developed full-stack modules using MERN stack and Python Flask, improving system performance by 30%.
- Engineered PDF automation features including SIRS extraction and dynamic table rendering, reducing manual processing time by 65%.
- Integrated MongoDB with optimized APIs, enhancing data retrieval speed by 40% and UI responsiveness.
- Built reusable React components with Next.js, implementing responsive designs for 10,000+ monthly users.
- Collaborated in Agile teams, participating in code reviews and contributing to CI/CD pipeline improvements.

## PERSONAL PROJECTS

### Hybrid Movie Recommender System

Jan 2025 – Feb 2025

- Engineered hybrid recommendation system combining content-based and collaborative filtering with 85% accuracy.
- Developed Flask REST APIs with MongoDB integration, serving 1,000+ movie recommendations daily.
- Implemented real-time search with React frontend, reducing search latency from 2s to 200ms.
- Optimized recommendation accuracy using similarity scoring and improved data preprocessing techniques.

### AI-Powered Personal Chatbot

Sep 2025 – Oct 2025

- Built an AI-powered chatbot using NLP techniques to understand and respond to user queries naturally.
- Integrated Flask/Node APIs to process messages and deliver real-time smart responses.
- Added context handling so the chatbot remembers previous interactions and replies accurately.
- Implemented error handling and fallback responses for smooth, human-like conversation flow.

## EDUCATION

### Perunthalaivar Kamarajar Institute of Engineering and Technology (8.4 CGPA)

2022 – 2026

Bachelor of Technology in Information Technology

## CERTIFICATES

- Web Development Fundamentals — IBM SkillsBuild
- Python Basics to Advance — GeeksforGeeks
- Full Stack Web Development Bootcamp — Udemy
- JavaScript Basics to Advance — GeeksforGeeks

July 2025

September 2025

August 2025

November 2025