

Pavan Kumar

Software Developer

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SUMMARY

CS student with expertise in Python, JavaScript, and algorithm design. Combines strong technical skills with innovative problem-solving to deliver impactful solutions.

CERTIFICATIONS

[Cutshort Certified Python – Advanced](#), Cutshort

Dec 2024

PROJECTS

Fitness Application (Work In Progress),, [Link](#)

Present

- Developing a scalable and modular fitness application backend using **Django**, with plans to integrate a **React-based frontend**.
- Implemented **JWT authentication** for secure user login and session management.
- Building features such as food logging, dynamic training levels, and user-specific fitness recommendations.

Go Interpreter Project, , [Link](#)

- Developed a interpreter in Go with features including conditional statements, arrays, hash maps, functions, and closures.
- Structured the project with components such as **lexer**, **parser**, **evaluator**, **AST**, and **object system**.
- Implemented built-in functions for array operations and demonstrated functional programming concepts.

Iphone Website, , [Link](#)

- Developed a front-end clone of the iPhone interface using React and used tools like **Gsap** for animation.
- Utilized **Three.js** to showcase a 3D model of the iPhone, enhancing visual appeal and interactivity
- Focused on performance optimization and responsive design.

SKILLS

Programming	: Python, C, JavaScript, Go, MYSQL, PostgreSQL, SQLite
Packages and Frameworks	: Django, Django REST framework, ReactJS, Gsap, Tailwindcss, Numpy, Pandas, OpenCV, Matplotlib, Beautifulsoup, Seaborn
Operating Systems	: Linux, Windows
Tools/Platforms	: Git, Github, Vercel, Vscode, Jupyter Notebook, Postman
Languages	: English, Tamil, Telugu

AWARDS

Hackathon on Generative AI-RAG Framework for Info Retrieval

- **Hackathon on Generative AI-RAG Framework for Info Retrieval**
Awarded 2nd Place for developing a Course Assistant chatbot using Flowise, leveraging NLP and conversational AI to provide personalized domain recommendations and enhance user engagement.

EDUCATION

Annai Mira College of Engineering and Technology, Vellore - BE, CS - GPA: 8.54

Oct 2021 - Present

National Higher Secondary School - HSC, - GPA: 8.65

National Higher Secondary School - SSLC, - GPA: 8.3