My name is Pruthvi S, I Born in 16 april 2003 at davanagere my father name is Shashidhara reddy J and mother name is Nagaveni K T.
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Education :
Pruthvi S. is currently pursuing a Final year Bachelor of Technology (B.Tech) in Computer Science and Technology at Dayananda Sagar University, Bengaluru, with an expected graduation in 2025. He has maintained a CGPA of 7.56 throughout his academic journey. Prior to this, he completed his Pre-University Course (PUC) in PCMB (Physics, Chemistry, Mathematics, and Biology) at S R PU College in Hiriyur between 2019 and 2021, achieving an outstanding 96% in his final examinations. His educational foundation was laid at SJPN Rural High School in Mallapura, where he completed his SSLC (Secondary School Leaving Certificate) from 2016 to 2019 with a commendable score of 87%. His academic record reflects both his dedication and strong academic performance across various educational stages.

## Experience

**Cloud and Infrastructure Student Intern**
*Unisys | Oct 2024 – Present | Hybrid (RGA Techpark Carmelaram)*
Currently, Pruthvi S interning at Unisys as a Cloud and Infrastructure Student Intern. This position involves hands-on exposure to cloud technologies and infrastructure management, allowing me to enhance my skills in cloud architecture, automation, and system administration. Working in a hybrid model has provided me with flexibility, while also allowing for team collaboration and direct mentoring in a corporate environment. Though it's been just over a month, I have already gained insights into real-world cloud operations, infrastructure setups, and their optimization. This internship is equipping me with practical experience in a dynamic and evolving tech space.

**Freelancer (Self-employed)**
*Jan 2024 – Present | Remote (Bengaluru, Karnataka)*
As a freelancer, I have worked on a wide range of projects, primarily in Machine Learning (ML), Deep Learning (DL), Generative AI, and Web Development. Over the past 10 months, I have successfully completed four to five projects, collaborating with clients who are mainly final-year engineering students, BCA and MCA students, and IT professionals. These projects have significantly enhanced my technical skills, allowing me to work on advanced AI models and web applications. The flexibility of freelancing has given me the opportunity to manage projects end-to-end—from understanding client needs to designing, developing, and delivering customized solutions. My work in this capacity has further sharpened my problem-solving abilities and has kept me up-to-date with the latest technologies.

**AI/ML Intern**
*AIML Spectrum* | *Jul 2024 – Aug 2024* | *Remote (Bengaluru, Karnataka)*
During my two-month internship at AIML Spectrum, I contributed to the development of multiple AI-powered applications. My primary projects included:

1. **News Chatbot**: I developed a Retrieval-Augmented Generation (RAG)-based chatbot for news search. This involved fetching news data from APIs, embedding it into vector databases, and enabling the chatbot to provide precise answers to user queries. The chatbot featured functionalities like news summarization and filtering by date and category.
2. **Doctor Chatbot**: I built an OpenAI-based chatbot tailored for doctors and patients, featuring a user-friendly admin panel and personal data integration. The chatbot facilitated conversations between doctors and patients, with a dashboard visualizing health metrics such as blood pressure and sugar levels over the past month.
3. **Medical Data Extraction**: I worked on extracting data from both bordered and borderless tables in medical PDF files using various Python libraries, enhancing my ability to handle unstructured data.

This experience deepened my knowledge of Large Language Models (LLMs), RAG, and vector databases like Qdrant. I also gained hands-on experience with backend tools such as Python, LangChain, and ChatGPT, and frontend technologies including Flask, HTML, CSS, and JavaScript.

**Web Development Intern**
*CodeClause* | *Oct 2023 – Nov 2023* | *Bengaluru, India*
At CodeClause, I worked on three different front-end development projects, improving my proficiency in web design and user experience. This internship enhanced my understanding of creating responsive and user-friendly interfaces using modern web technologies. The projects helped me hone my skills in HTML, CSS, JavaScript, and responsive design principles, providing a solid foundation for front-end development.

**Web Development Intern**
*Adverk Technologies* | *Jan 2023 – Feb 2023* | *Bengaluru, India*
During my two-month internship at Adverk Technologies, I collaborated with a team of developers to work on a React.js-based Employee Management System. This experience gave me valuable hands-on exposure to front-end frameworks and helped me develop critical team collaboration skills. It also provided an opportunity to dive deep into React.js, expanding my technical expertise in JavaScript frameworks and enhancing my ability to build scalable, efficient web applications.

Projects :

**Petcare AI Assistant**
**GitHub Link**: https://github.com/Prureddy/AI_Percare_Assistant
**Description**:
The **Petcare AI Assistant** is an AI-powered chatbot designed to help pet owners address common pet health concerns. Built using cutting-edge technologies, the assistant leverages large language models (LLMs) and Retrieval-Augmented Generation (RAG) to provide accurate responses. The application integrates Langchain and Qdrant (VectorDB) for efficient data management, with GPT-4-mini providing the core intelligence. Google's Gemini-vision pro is used for image recognition and diagnostics. The interface is developed with Flask, HTML, CSS, and JavaScript, ensuring a user-friendly experience for pet owners.

- **Tech Stack**: Flask, Python, JavaScript, Langchain, Qdrant, GPT-4-mini, Google's Gemini-vision pro.

**BookHaven - Book Selling and Recommendation Platform**
**GitHub Link**: https://github.com/Prureddy/BookHaven
**Description**:
**BookHaven** is an online book selling and recommendation platform that provides a seamless shopping experience while offering personalized book suggestions based on user preferences. Using machine learning algorithms for recommendations and intuitive UI/UX design, BookHaven helps users discover new books tailored to their tastes. The platform is built using Flask for the backend, and the frontend is powered by HTML, CSS, and JavaScript. Book data is analyzed using NumPy and Pandas for efficient recommendation models.

- **Tech Stack**: Flask, Python, HTML, CSS, JavaScript, NumPy, Pandas.

**Plant Disease Detection and Classification**
**GitHub Link**: https://github.com/Prureddy/Plant-disease-detection
**Description**:
The **Plant Disease Detection and Classification** project is designed for farmers to quickly and accurately identify diseases affecting their crops. It uses a Convolutional Neural Network (CNN) model to classify plant diseases based on images of leaves. Built using Python, TensorFlow, and OpenCV, this project allows farmers to upload images of plant leaves and receive diagnoses. The app is deployed using Streamlit, ensuring ease of use and accessibility, even for non-technical users.

- **Tech Stack**: Streamlit, Python, TensorFlow, OpenCV, CNN.

**News Chatbot (AIML Spectrum)**
The **News Chatbot** is a Retrieval-Augmented Generation (RAG)-based application designed to provide users with accurate news information. It fetches news articles from various APIs, embeds them into vector databases, and allows users to ask questions, receive summaries, and filter news by date and category. The chatbot uses advanced natural language processing techniques to deliver relevant and concise information to users.

- **Tech Stack**: Python, LangChain, LLMs, Flask, HTML, CSS, JavaScript.

**Doctor Chatbot (AIML Spectrum)**
The **Doctor Chatbot** is an OpenAI-based chatbot designed to facilitate communication between doctors and patients. It integrates user medical and personal information, allowing the chatbot to answer health-related queries. The system includes an admin and user panel, with a dashboard that tracks patients' vital health statistics, such as blood pressure and sugar levels, displaying them in a graph format over the past month.

- **Tech Stack**: Python, ChatGPT 3.5 Turbo, ChatGPT 4, Flask, HTML, CSS, JavaScript.

**Medical Data Extraction (AIML Spectrum)**
This project focused on developing a tool for extracting data from both bordered and borderless tables in medical PDF files. Using various Python libraries, the tool processes complex unstructured data and transforms it into structured, usable formats for medical applications.

- **Tech Stack**: Python, PDF libraries, data extraction tools.

**Front-End Development Projects (CodeClause)**
As a Web Development Intern at CodeClause, I worked on three front-end projects that emphasized creating responsive and user-friendly interfaces. These projects helped sharpen my design and development skills, particularly in HTML, CSS, and JavaScript, while delivering high-quality, user-focused applications.

**Employee Management System (Adverk Technologies)**
The **Employee Management System** was developed using React.js during my internship at Adverk Technologies. This system allows for efficient management of employee records, attendance, and performance tracking. Collaborating with a team of developers, I gained hands-on experience in building scalable front-end applications.

- **Tech Stack**: React.js, JavaScript, HTML, CSS.

## FoodDash

**Description**:
**FoodDash** is an innovative platform that revolutionizes the food ordering experience by integrating a natural language processing (NLP) dialogue flow chatbot with a comprehensive food ordering system. Users can effortlessly order their favorite dishes and track their food deliveries through an engaging and interactive conversational interface. The chatbot understands user queries and preferences, allowing for a smooth ordering process without the need for complex navigation.

The backend is powered by **FastAPI**, which ensures high performance and scalability, while the frontend is developed using **HTML**, **CSS**, and **JavaScript** for a responsive and user-friendly interface. The integration with **Dialogflow** allows the chatbot to effectively understand and respond to user input, enhancing the overall user experience. Whether you're craving a quick

snack or planning a feast, FoodDash provides a convenient and enjoyable way to satisfy your culinary desires.

- **Tech Stack**: HTML, CSS, JavaScript, Python, FastAPI, Dialogflow.

## Celebrity Image Classification

**Description**:
**Celebrity Image Classification** is an advanced machine learning project focused on identifying and categorizing images of celebrities using sophisticated algorithms. The system analyzes various visual features and patterns in images to accurately classify and recognize celebrities. This capability enables a range of applications, including celebrity recognition in social media posts, image search engines, and content moderation.

The application is designed with a user-friendly interface developed using **HTML**, **CSS**, and **JavaScript**, allowing users to easily upload images and receive classification results. The backend is powered by **Python** and **Flask**, which provide a robust framework for processing and analyzing images efficiently. By leveraging machine learning techniques, this project showcases the potential for automated recognition of public figures in diverse digital contexts.

- **Tech Stack**: HTML, CSS, JavaScript, Python, Flask.

Here's a description of your project, **Toxicity Classifier**:

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## Toxicity Classifier

**Description**:
The **Toxicity Classifier** is a cutting-edge project designed to detect and classify toxic text using advanced machine learning techniques. This project provides a user-friendly web application that allows users to input text for toxicity analysis, receiving immediate feedback on its potential harmfulness. In addition to the web interface, the project features a **FastAPI**-powered API, facilitating seamless integration with other applications and services.

By leveraging state-of-the-art algorithms, the Toxicity Classifier contributes to creating safer and more inclusive online spaces by identifying and mitigating harmful content. The application is built with **Python** and **Streamlit**, ensuring a smooth and interactive user experience. This tool is particularly useful for platforms aiming to improve user interaction by minimizing toxic communications and fostering a positive environment.

- **Tech Stack**: Python, Streamlit.

## Skills

### Programming Languages

- **Python**: Proficient in using Python for a variety of applications, including web development and machine learning projects.
- **Java**: Experienced in Java for building robust applications and understanding object-oriented programming concepts.
- **C**: Familiar with C programming, focusing on fundamental programming principles and system-level programming.
- **JavaScript**: Skilled in JavaScript for creating dynamic web applications and enhancing user interfaces.

### Libraries/Frameworks

- **NumPy**: Experienced in using NumPy for numerical computations and data manipulation.
- **Pandas**: Proficient in data analysis and manipulation using Pandas.
- **Matplotlib**: Knowledgeable in data visualization techniques using Matplotlib to create informative charts and graphs.
- **Streamlit**: Skilled in building interactive web applications for machine learning projects with Streamlit.
- **Flask**: Experienced in developing web applications and APIs using Flask.
- **React**: Familiar with React for building responsive user interfaces and single-page applications.

### Tools/Platforms

- **Git/GitHub**: Proficient in version control and collaboration using Git and GitHub.
- **VS Code**: Experienced in using Visual Studio Code as a primary code editor for development.
- **Jira**: Knowledgeable in project management and tracking tasks using Jira.

### Databases

- **MySQL**: Experienced in managing and querying databases using MySQL.
- **Qdrant**: Knowledgeable in using Qdrant for vector database applications, particularly in machine learning projects.

### Additional Skills

- **Machine Learning**: Experienced in developing machine learning models and applications, particularly in the fields of natural language processing and image classification.
- **Web Development**: Skilled in both front-end and back-end development, creating responsive web applications that are user-friendly.

- **API Development**: Proficient in developing RESTful APIs for seamless integration with various applications and services.
- **Project Management**: Familiar with agile methodologies and capable of managing multiple projects simultaneously.

## Certifications

- **Supervised Machine Learning: Classification and Regression**
  **Platform**: Coursera
  **Description**: This certification provides a comprehensive understanding of supervised machine learning techniques, focusing on classification and regression models. It covers key concepts, algorithms, and practical applications in real-world scenarios.
- **Introduction to Programming using Python**
  **Platform**: Coursera
  **Description**: This certification offers foundational knowledge in programming using Python. It covers essential programming concepts, data structures, and problem-solving techniques, making it suitable for beginners in the field.

## Honors and Awards

- **Track Prize in Aventus 2.0 Hackathon**
  **Organization**: Dayananda Sagar College of Engineering (DSCE), Bengaluru
  **Description**: Recognized for outstanding performance and innovative solutions during the Aventus 2.0 Hackathon, showcasing creativity and technical skills.
- **First Prize in DDT Hackathon**
  **Organization**: Energy Institute, Bengaluru
  **Description**: Awarded the first prize for demonstrating exceptional problem-solving abilities and delivering a winning project in the DDT Hackathon.
- **Runner-up Position in Creatathon 2023**
  **Organization**: ANZ, Bengaluru
  **Description**: Achieved runner-up status in Creatathon 2023, highlighting teamwork and innovative ideas in a competitive environment.
- **Top 10 Finalists in 5 Hackathons**
  **Description**: Successfully reached the top 10 in five different hackathons, demonstrating consistent performance and capability in developing innovative projects under pressure.