Anand Maley

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About Me

I'm focused 4th year B.tech student , committed to doing things the right way and always eager to learn. Currently, I'm also diving into Japanese language studies,alongside honing solid teamwork and communication skills.

Education

Dayananda Sagar University, Bangalore

Bachelor of Technology - CSE

CGPA: 8.12   2021 – Present

SharanBasaveshwar PU College, Kalaburgi

Science - 12th

Percentage - 89%   2019 – 2021

SharanBasaveshwar Residential Public School, Kalaburgi

Secondary Education - 10th

Percentage - 96.64%   2018 – 2019

Experience

Research Assistant Intern at Robominions

Feb 2025 – May 2025

Worked on developing multi-language code tracing modules and AI/ML-based learning tools using Python, C++, Java, and more. Built mathematical engines in Google Colab using NumPy, SymPy, and Matplotlib for concepts like Linear Algebra and DSA. Assisted in content creation and visual learning aids using ChatGPT and Paint. Contributed to enhancing the RoboMinions app for coding interview preparation.

Projects

Automated Web Scraping and Text Analysis using Python

January 2025 - January 2025

Developed a Python-based pipeline to extract and analyze textual data from URLs, leveraging BeautifulSoup for web scraping and NLTK for sentiment analysis. Implemented custom stopword filtering, polarity scoring, readability metrics, and personal pronoun detection, ensuring accurate text evaluation. Automated data storage in structured Excel format for further insights.

AI-Powered Research Automation System

February 2025 - February 2025

Developed an AI-driven research automation system using Tavily for web crawling, LangGraph for workflow orchestration, and Hugging Face LLM for summarization. Designed a multi-agent architecture where one agent retrieves research data, and another generates concise summaries.

Satellite Image Classification

September 2023 - December 2023

Developed an advanced predictive model using Python with TensorFlow and Keras to classify satellite images into Roads, Lakes, and Buildings, employing data preprocessing techniques like normalization and augmentation, fine-tuning hyperparameters for improved accuracy, and conducting extensive metric analysis to ensure robust and precise classification.

Portfolio

October 2024 - October 2024

Designed and developed a responsive personal portfolio website using HTML, CSS, and JavaScript, featuring interactive navigation, a toggle menu for smaller screens, dynamic content, GitHub project integration, social media links, and a downloadable CV for seamless user engagement across devices.

Inventory Management System

November 2024 - November 2024

Developed a complete Inventory Management System (IMS) using React for the frontend, Express for the backend, and MySQL for database management, featuring dynamic forms with React hooks for product management, a robust Express.js API for CRUD operations, Postman-tested endpoints, and responsive CSS styling for an intuitive user experience.

Hospital Management System

September 2024 - September 2024

Developed a Hospital Information System in Java with a Swing-based GUI, integrating MySQL for secure data storage and management of patient records, featuring user-friendly, validated forms, seamless JDBC database connectivity with error handling, and clean, scrollable result displays to enhance data management and user experience.

Skills

Technical Skills: Java, Python, C, JavaScript, HTML, CSS, SQL, Pandas, Numpy

Tools: MySQL WorkBench,Visual Studio, Excel

Languages: English, Hindi, Japanese (Basic), Kannada, Marathi

Course Work

Computer Networks, Operating System, DBMS, OOPS

Certificate

Docker Foundation - Docker and Linkedin Learning

Machine Learning Professional Certificate - Rapid Miner

Data Engineering Professional Certificate - Rapid Miner

Face Recognition in OpenCV - Great Learning.

Java Programming Basics - Great Learning.

Hobbies

Chess, Football, Videogames

Achievements

Achieved JLPT N5 Level Certification in Japanese Language Proficiency.