Sudheer Kumar Ch

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Sudheer Kumar

Education

- **GMR Institute of Technology** *2021-2025*
  Bachelor of Technology CGPA: 9.45
- **Oxford Junior college** *2019-2021*
  Board of Intermediate Education, Andhra Pradesh Percentage: 98.4
- **Oxford school** *2018-2019*
  Board of Secondary Education, Andhra Pradesh GPA: 10

Internships

- **Schemax Tech** *Summer internship*
  Dot Net framework Visakhapatnam

Personal Projects

– **TO DO LIST**
The MERN Stack To-Do List Application is a modern web app for efficient task management. It features user authentication, CRUD operations for tasks, categorization, and due dates. Built with MongoDB, Express.js, React, and Node.js, it ensures a responsive and seamless experience across devices.
∗ Tools & technologies used: vs-code, React.js, MongoDB, Express.js, Node.js

– **Notes Application**
The MERN stack Notes application enables users to create, edit, and manage Note posts seamlessly. Utilizing MongoDB, Express.js, React, and Node.js, it offers a dynamic and responsive user experience. Features include user authentication, real-time updates, and an intuitive interface for enhanced content management and interaction.
∗ Tools & technologies used: vs-code, React.js, MongoDB, Express.js, Node.js

– **Calorie Expenditure Calculator**
I developed a calculator using an Artificial Neural Network and MERN Stack , during which I extensively learned about hyper-parameter tuning and thoroughly understood ANN fundamentals and concepts, including layers, activation functions, model training, and model evaluation. Additionally, I created a MERN stack application to track records, integrating MERN stack and machine learning.
∗ Tools & technologies used: vs code, google colab, Artificial Neural Network, Machine learning, React.js, MongoDB, Express.js, Node.js, TensorFlow

– **Image caption Generator**
The Image Caption Generator using an Exception model automatically generates descriptive captions for images. It combines a Convolutional neural network (CNN) for image feature extraction with a recurrent neural network (RNN) for sentence generation, creating accurate and meaningful descriptions based on the content of the images.
∗ Tools & technologies used: vs-code, google colab, Recurrent Neural Network, Machine learning, Convolutional Neural Network, TensorFlow

– **Caption to Image Generator by GANs**
The Caption to Image Generator using GANs (Generative Adversarial Networks) creates images from text descriptions. It leverages GANs to synthesize high-quality, realistic images based on input captions, demonstrating advanced machine-learning techniques in image generation and natural language processing.
∗ Tools & technologies used: vs code, google colab, TensorFlow, Generative Adversarial Networks

Technical Skills and Interests

Technical Skills
:Machine Learning, Deep Learning, MERN stack, Python, Java, HTML, CSS, Metasploit Framework

Soft Skills:
Teamwork, Problem-solving, Time Management, Creativity, Communication

Field of Interest:
Data Science, Web Development, Artificial Intelligence, Augmented Reality and Virtual Reality, Generative AI, Large Language Models

Hobbies:
Coding, Cooking, Playing Outdoor Games, Browsing Internet

Positions of Responsibility

– **Web Developer Backend Lead** Google Developer Student Club

* Led the backend development for Google Developer Student Club projects, coordinating with team members to design and implement robust server-side solutions.

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Achievements

* **Secured 2nd place for SPAN (Switched Port Analyzer) in the Machine category at Stepcone GMRIT.**
* **Participated in Webthon at Stepcone GMRIT.**
* **Participated in Web-o-stav at Stepcone GMRIT.**

Certifications

* Python for Data Science in NPTL
* Machine Learning with Python in EDX.
* Web development using MERN stack in udemy.
* Programming in Python in Coursera.