Suravaram Bhavani

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EDUCATION:

Laki reddy Bali reddy Clg of Engineering,Mylavaram
B.Tech-Computer Science and Engineering(AI&ML)   2022-2026
CGPA: 9.22(till date)

CONTRIBUTION AND PUBLICATIONS:

- Contributed technical articles on Data Structures and Algorithms (DSA) and problem-solving techniques to **GeeksforGeeks**, providing optimized solutions and in-depth explanations to aid the developer community in building their skills.
  Link:https://www.geeksforgeeks.org/user/suravaram_bhavani/
- Authored detailed solutions and developed test cases for **medium level coding problems** on **LeetCode**, including contributing a new problem and its corresponding test cases to the platform. The problem was designed to challenge and enhance problem-solving skills in the community.
  Link: https://leetcode.com/u/bhavanisuravaram/

WORK EXPERIENCE:

1.Web Development Intern   **Prodigy Infotech | 06/2024-07/2024**

- Designed and developed responsive web pages using **HTML, CSS, JavaScript**, and frameworks like **React.js**, ensuring a seamless user experience across devices.
- Integrated RESTful APIs to dynamically fetch and display data, improving real-time functionality on the platform by **32%**.

  Contact: prodigyinfotech@gmail.com

2. Mern Stack Intern   **Biztron | 03/2024-05/2024**

- Designed and developed a full-stack **social media application** using the **MERN stack** (MongoDB, Express.js, React.js, Node.js), offering features like user authentication, real-time messaging, and post creation.
- Implemented **real-time chat functionality** using **Socket.IO**, enabling seamless communication between users.
- Deployed the application on **cloud platforms** (e.g., AWS, Heroku, or Vercel) and managed the database with **MongoDB Atlas**
  Github link: https://github.com/bhavanisuravaram

PROJECTS:

BERT-Powered MediBot: link: **https://github.com/bhavanisuravaram**

- Fine-tuned a BERT-based model using an open-source dataset of web dialogues to improve medical query responses, achieving 6% higher accuracy than traditional deep learning methods.

Image Captioning: link: **https://github.com/bhavanisuravaram**

- Engineered and trained a high-performing neural network for English image caption generation, attaining exceptional BLEU scores by utilizing the Flickr 8k dataset.

Machine Learning Algorithms:

- Implemented several Machine Learning algorithms from scratch to get a deep understanding of how they work and to figure out how they differ from those of inbuilt packages.

SKILLS:

- Programming languages: C, Java - Data Structures, Python, HTML/CSS, SQL,
- Core Technologies: Machine Learning, and Web designing,Data Analytics.
- Tools:Vs code ,pycharm,AWS,
- Other Skills: Power BI, Probability & Statistics, Git, Docker, Collaboration and Team management.

ACADEMIC ACHIEVEMENTS:

- Finalist along with my team in the hackthon event(03/2024) organized by BRAINO VISION for a data science
- Achieved a score of 979/1000 in Intermediate Board examination(06/2020 – 02/2022).
- Awarded "ELITE + SILVER" Certificates for completing the NPTEL-IIT Kharagpur's IOT Programming (82%)

ONLINE COURSES & CERTIFICATIONS:

- Saleforce:Ai Associate
- Stanford CS229: Machine Learning Full course by Andrew NG.
- Google Data Analytics and Machine Learning with Python by Coursera.
- PCAP: Programming Essentials in Python by Cisco Networking Academy.

EXTRA-CURRICULAR ACTIVITIES:

- Participated in several Hackathons, including the national science Day Hackathon, HackNov, HackTheMountain and various others hosted within the college.
- Engaged in numerous social awareness activities, including traffic awareness initiatives, Coal crisis and Energy consumption awareness conducted by LBRCE NSS.
- Delivered technical lectures to peers and juniors, showcasing effective communication.