SAGAR SWAMI RAO KULKARNI

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EDUCATION

MSCS   *Expected 2025*
University of Colorado Boulder, Boulder, CO

Bachelor of Technology: Computer Science Engineering   *2016-2020*
CMR University, India
CGPA: 9.41 CGPA (Gold Medalist)

SKILLS

- Languages: C, C++, Java, Python
- Data Management & Analytics: MySQL, SQLite, MongoDB, Neo4J, Redis
- Web Development: HTML, CSS, JavaScript, Angular, React
- Tools: Eclipse, Jupyter, Visual Studio, Spring Suite

ACADEMIC PROJECTS

Student, Phone Like-Dislike Predictor, CMR University
- Classified whether a phone with given specifications is likely to be accepted or rejected by the market by building MP Neuron, Perceptron, and Sigmoid models, based on the real crawled data from the GSM Arena

Student, SecQ-Steganography, CMR University
- Developed steganography based way of hiding data behind images and introduced encryption of the data; used 2 distinct algorithms consisting of AES & DSA technique for encryption and MD5 algorithm for hashing;

Student, DNA to Protein Synthesis, CMR University
- Synthesized the given sequence of a DNA to protein equivalent structure, by converting it into RNA, Amino acids, codons, and finally into protein sequences using Python

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EXPERIENCE

Consultant, (AI & Full Stack Developer), Quinnox Consultancy Pvt. Ltd, India   *2021 - 2023*
- Handled end-to-end delivery for 2 US clients and developed web and AI applications for Home Health Orders and Martin Brower (Reyes Holdings)
- Implemented Enterprise Resource Graph by customising Popoto library and AR-VR view leveraging Three.js and created a digital twin of clients landscape for an upcoming product QInfinite
- Mentored and trained 6 new team members on Javascript, Popoto.js and Three.js; monitored work progress through daily stand up calls

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ACHIEVEMENTS

- On the Spot Award, 2022
- Pat on the Back, 2021
- University Award, Gold Medal, 2020
- CMR Jnanadhara Trust, Merit-Based Scholarship, 2019-20
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- Azure Skynet in Assc. With IIT Hyderabad, Zonal Level Winner of Hackathon, 2018
- Carmel Group of Institutions, CompuGeek Award, 2014

PUBLICATIONS

- Researched on a deep learning project which was aimed to classify whether a phone with given specifications is likely to be accepted or rejected by the market by building MP Neuron and Perceptron based models, in a team 3; published on IEEE (ICAECC), 2020
  Link- https://ieeexplore.ieee.org/document/9339472

- Volunteering with an NGO named Voice of Stray Dogs (VOSD) to run shelter and vaccination programs along with generating awareness in communities through social media and personal interactions, 2020 - 2023
- Volunteering with a welfare group called "Make a Difference" (MAD), to teach underprivileged children to foundational mathematics and spoken English, 2019 - 2022
- Student coordinator for machine learning workshop held at CMRU, 2019
- Served and led the team in raising awareness against prevailing pollution in INDIA at Loving Hands Inc., 2017
- Invited as a delegate at the Indian Technology Congress Conference, 2016