

Nitish Reddy Gaddam

San Jose, CA | +1(408) 639-9544

nitishreddy.gaddam@sjsu.edu | <https://www.linkedin.com/in/gaddam-nitish-reddy-1993181b4/>

EDUCATION

Master, Data Analytics

Aug 2022 - May 2024

San Jose State University, San Jose, CA

- Machine Learning Technologies, Data Visualization, Data Mining and Analytics, Big Data Technologies and Applications, Deep Learning Technologies

Bachelor of Technology, Computer Science

Aug 2018 - May 2022

National Institute of Technology, Aizawl, Mizoram

- Data Structures and Algorithms, Operating Systems, Software Engineering, Artificial Intelligence, Cloud Computing, Computer Networks.
- Worked as a Research Assistant under the Head of the Department for the development of a Research Project.

WORK EXPERIENCE

Full Stack Developer Intern, Blank Labs, Hyderabad, India

Jul 2021 - Oct 2021

- Designed and Developed the Organization's Business Website using React.JS framework and Figma.
- Developed Signup and Login Web Pages and added validation techniques for forms using JavaScript.
- Deployed automation bots for checking the functionality of websites operating Selenium and XPath.

Software Engineering Intern, Luminant Technologies, Bangalore, India

- Developed and deployed a web application for a European client using React.JS, ReactStrap & Custom CSS
- Responsible for updating the old User Interface & creating reusable React.JS components with added functionalities.

COURSE PROJECTS

Analytics on Natural Disasters and Global Temperature, San Jose State University

Dec 2022

- Performed Analytics on Natural Disasters and the Global Temperature Dataset with Pandas, Matplotlib and reduced the data loss by 60% by applying outliers.
- Implemented a Data warehouse through Google Big query and performed analytics using advanced SQL.
- Analyzed the outcomes in Tableau Dashboard and showcase the effect of temperature changes on the occurrences of natural disasters

Topic Based Image Caption Generator, NIT Mizoram

May 2022

- Developed a Deep Learning model that generates an automatic caption relevant to the subject of the Image.
- Developed a new Image Embedding model using the coalition of two pre-trained CNNs Inception V3 and VGG-19 which are used for feature extraction.
- Extracted 2X of the features from the Images than the previous model and applied Principal Component Analysis upon the extracted features for dimensionality reduction and prominent feature selections.
- The updated Image Embedding model produced better BLEU scores compared to the previous existing models.
- Built using Python 3.6, Pandas, NumPy, TensorFlow, NLTK, OpenCV, Inception V3, VGG 19.

Real Time Drowsiness Detection, NIT Mizoram

Dec 2021

- Developed a Computer Vision Model helpful in detecting the drowsiness of a person in Real Time.
- Implemented advanced algorithms such as Eye Aspect Ratio and Mouth Aspect Ratio for detection of drowsiness.
- Extracted training data set from Real-Life Drowsiness Data set specifically for detecting multi-stage drowsiness.
- Built using Python3.6 and libraries Pandas, SciPy. Spatial and Open CV

SKILLS

Languages: Python, JavaScript, C++, Java, C

Databases: My SQL, MongoDB, Neo4J, Google Big Query, ETLs

Libraries\ Framework: Selenium, BeautifulSoup, Tkinter, OpenCV, TensorFlow, Bootstrap, Matplotlib

Tools: Figma, Notion, ClickUp, Google Analytics, GitHub, PyCharm, Visual Studio, Tableau,

ACHIEVEMENTS

- Winner of Annual Coding Competition Cypher in NIT Mizoram
- Winner of Annual Mathematics Competition Manthan in NIT Mizoram
- Secured a rank of 32k in Joint Entrance Examination Main