

Navya Chalamalasetty

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EDUCATION

Master of Science in Data Science

University of Colorado Boulder

May. 2025 (Expected)

Boulder, CO

Bachelor of Engineering, ECE

Chaitanya Bharathi Institute of Technology; CGPA: 8.65/10.0

June 2021

Hyderabad, India

TECHNICAL SKILLS

Languages: Python, R, C, Java, SQL, HTML/CSS, Apex

Databases: MySQL, PostgreSQL, Oracle

Frameworks and Libraries: Scikit-learn, Keras, NumPy, Pandas

Tools: Jupyter Notebook, Salesforce, Workbench, Jira, Git, Bitbucket, AWS, GitHub Actions, Postman, VS Code

EXPERIENCE

Software Engineer

September 2021 – July 2023

Deloitte Consulting Private Ltd.,

Hyderabad, India

- Managed and executed the design, development and customization of the Salesforce Cloud application for a major health agency based out of the UK; deployed 7 different instances for the client.
- Developed a web application for a health care company with multiple 3rd party apps, APIs, OAuth for authentication and Apex for customizations; configured a CI/CD pipeline in Git and ensured test coverage is over 95%.
- Implemented WebChat on the website which helps customers connect with the agents to resolve their queries.
- Extensively used SQL for data manipulation techniques in generating the schemas for bulky data.

Machine Learning Intern

April 2020 – June 2020

Cognibot Technologies Pvt.Ltd.,

Hyderabad, India

- Served as the research and development intern in the AI research firm for developing AI tools capable of replicating real-time behaviors on the systems.
- Determined various Numpy libraries to build reproductive algorithms based on the microbe characteristics and used Naïve-Bayes theorem to categorized microbes and replicate survival battles on screen.
- Used Python to build live visualizations of the reproductive lifecycle and the consumption scenarios between various microbes; designed the experiment to test over 20+ microbe species, with a test accuracy of 77%.

PROJECTS

Emotion Recognition through Facial Expressions using Deep Learning

April – June 2021

- Designed an emotion recognition model which combines feature extraction and deep learning techniques to detect emotions from facial dataset. Leveraged Keras framework for model development and training.
- Implemented Alex Neural Network on to the dataset to predict six types of facial emotions, designed a 25-layered AlexNet with high WeightLearnRateFactor to obtain more accurate results and acquired an accuracy of 86.6%.

Conway's Game of Life

April – June 2020

- Researched, undertook cross-functional study and designed the biological experiment, Conway's Game of Life, for replicating the survival of the fittest scenarios among microbes through their reproductive lifecycle.

ADDITIONAL INFORMATION

- Received **Spot awards** twice for contributing to the project at Deloitte.
- Won 1st prize for **paper presentation** for my major project at CBIT.

Executive Vice President – IEEE, CBIT, Hyderabad

2020 – 2021

- Led the operations strategy for the college's IEEE chapter, organizing 12 workshops on emerging technologies.
- Planned year-long plan to inculcate methodical experiential learning programs for students with increasing complexity and interlinked concepts to ensure students gained expertise of specific topics.

CERTIFICATIONS

- Expressway to Data Science: R Programming and Tidyverse Specialization
- Health Cloud Accredited Professional
- Salesforce Platform Developer I
- Salesforce Administrator
- Salesforce Platform App Builder
- Salesforce Associate