RESUME

Sunil Sri Datta Jammalamadaka
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About

A passionate Machine Learning and Deep Learning Enthusiast solving real-world problems of various domains using Machine Learning and Deep Learning.

ACADEMIC DETAILS

Education	Institute	Year	Percentage/CGPA
B.Tech in Computer Science and Engineering	National Institute of Technology, Goa	2018	CGPA - 8.08
Secondary Schooling	Sri Chaintanya Jr College, Vijayawada	2014	**94.6%**
Class - X ICSE	St.Francis Eng.Med.High School, Machilipatnam	2012	**91%**

Work Experience

- **Data Scientist at ADF Data Science** *Aug '21 - Present*

  Part of the RD team, responsible for creating new families of IDVs using multiple data soure to access the risk associated with a loan application.

- **Machine Learning Engineer at AAIC Technologies** *Mar '21 - Aug '21*

  Responsible for developing and deploying plagarism models and backend development using Django.

- **Project Engineer at Wipro** *Aug '18 - Aug '20,*

  Worked as an SDET responsible for building frontend in Angular and building, developing and maintaining automation scripts written using ruby and cucumber.

Internships

- **Full-Stack Developer at Recco** *May '18 - July '18,*

  Worked as a Full-Stack Developer, was responsible for designing the core database schemas on top of which the product needs to be built upon. Partly developed the frontend and the backend for the product.

- **Machine Learning Research Intern at IIT Mandi** *Decembet '17 - Jan '18*

  Using the guidance and the resources of the faculty at IIT Mandi made advancements in the project Hierarchical Approach for Breast Cancer Histopathology Images Classification.

- **Android Development Intern at Mr.Websiter** *May '17 - July '17,*

  Worked directly under the founder to develop a variety of Android applications for clients like restaurants, resorts and factory workers.

SKILLS

Python, Tensorflow, Pytorch,Pandas, Numpy, Machine Learning, Deep Learning, Convolutional Neural Networks, Sequence Models, Transformers, Reinforcement Learning, Logistic Regression, Linear Regression, SVM, XGBoost, Decision Tree, Natural Language Processing (NLP), Computer Vision, Generative Adversarial Networks (GAN).

Machine Learning Projects

- **Chatbot For Medical Question Answering:** Built a chatbot for answering questions on medical domain. This involved taking questions from the patient and finding similar previously answered questions and their answers and generating an answer conditioned on the given question and the similar question and answers. Fine-tuned BIO-Bert model was used for finding similar sentences and fine-tuned GPT2 was used for generating the answer.The data used in this project was extracted using medical websites such as Webmd, Question Doctors,etc. Please find more at https://suniljammalamadaka.medium.com/medical-chatbot-using-bert-and-gpt2-62f0c973162f
- **Instacart Market Basket Analysis:** Built a Convolutional Neural Network classifier to predict which of the previously ordered items will be reordered by an user of Instacart given we have the previous order information such as day of the week and time of the day of purchase, the department and aisle to which the previously ordered product belongs,etc. The data for this project is obtained from Instacart Market Basket Analysis challenge hosted by Kaggle. Please find more at https://suniljammalamadaka.medium.com/instacart-market-basket-analysis-ac12e586dcc7
- **Hierarchical Approach for Breast Cancer Histopathology Images Classification:** Build Heirarchical convolutional neural network classifiers to solve the supervised problem of multi-class classification of classifying breast cancer histopathalogy images into four different categories based on different stages of cancer i.e Normal, Benign, In Situ and Invasive. Please find more at https://openreview.net/pdf?id=rJlGvTojG

OTHER PROJECTS

- **Event Registration Application (Web and Android):** To facilitate event registration and participant verification for NIT Goa's cultural Fest RAAG, in a team of three, developed an android and web application.
- **Hospital Management Application :** Developed an android application to maintain patient, doctor and medicine records for Hospital Management. It was a group of two.

External Profiles:

- GitHub: https://github.com/sunil741
- Medium: https://suniljammalamadaka.medium.com/
- Linkedin: https://www.linkedin.com/in/sunil-jammalamadaka-7459a9122/

Certifications:

- Applied Machine Learning Course - Applied AI Course.
- Data Science with Databricks for Data Analysts Specialization from Databricks.
- Reinforcement Learning Specialization from University of Alberta, Coursera.
- Deep Learning Specialization by Deep Leaning.org, Coursera
- Machine Learning by Standford University, Coursera

REFERENCES

- **Dr. Veena Thenkandiyoor** Assistant Professor, Department of Computer Science and Engineering, NIT Goa. (0832-2404216, veenat@nitgoa.ac.in)
- **Mr. Vishal Goel**
  CEO & Founder, Mrwebsiter, Banglore. (90364-07715, vishal@mrwebsiter.com)