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Career Objective

Machine Learning Engineer with one year of industry work and 6 months of internship experience, along with strong machine learning background, deep learning aims to utilize my programming skills and knowledge of cloud to create efficient and innovative ML models. I am committed to learning and growth in the field of ML. I am eager to collaborate with a team of experts to solve complex problems and create cutting-edge solutions. Ultimately, I strive to become a leading Machine Learning Engineer and make a meaningful impact on the industry.

Professional Experience

Hitloop LLC   Hyderabad, India
Machine Learning Engineer   *Apr 2023 - Present*

○ I'm researching and working on Artificial Intelligence/ ML Research, solving complex real-world Problems with AI.
○ Currently working on Speech Enhancement/Super Resolution using Deep Learning Nets, Hugging Face.
○ Working on Audio Visual Representation, also working on Time Series Analysis and Market Basket Analysis.

Forsys Software India Pvt Ltd   Hyderabad, India
Software Engineer I   *June 2022 - Apr 2023*

○ Worked on Machine Learning, Salesforce Development, Java, Integration, CPQ Dev, REST APIs, LWC and AURA, Postman
○ Developed an new package for Proposal **Document Generation(PDF, XLSX)** which will cut down the 80% of time with current Salesforce capabilities, customizable template design, dynamic sequencing can work any objects with 20+ pages.
○ Worked on new managed package **SAAS Catalog** like a mini CPQ built on Salesforce itself focused on small-size companies. Both projects developed from end-to-end including solution designing, documentation, development, testing and deployment.

Internships

Signal Processing Interpretation and Representation (SPIRE) Laboratory   Remote
*Contributor - **Guide: Prasanta Kumar Ghosh** Assoc.Prof, EEE, IISC Banglore*   *Aug 2021 - Feb 2022*

○ Volunteered and worked for **Speech Recognition in Agriculture and Finance for the Poor in India** for Telugu Language
○ Involved in data collection, web scrapping, Running language models using NLTK ToolKit

Indian Institute of Technology, IIT Guwahati   Remote
*Research Intern - **Guide: Dr. Gourav Trivedi** Assoc.Prof, EEE, IIT Guwahati*   *March 2021 - July 2021*

○ Learned and worked on Deep learning Recurrent networks, LSTMs, attention models, time series analysis
○ Successfully completed Project "**Comparison of LMU with Attention LSTM models on Time Series Data**"

ACM Student Chapter, IIT(ISM) Dhanbad   Remote
Machine Learning Intern   *July 2020 - Aug 2020*

○ Worked on Data analysis, feature engineering, machine learning algorithms, Flask and web Deployment
○ Completed an end-to-end MachineLearning Project "**Movie Recommendation System**" as a team by creating flask web app.

Smart Bridge Educational Services Pvt. Ltd   Remote
Summer Intern   *May 2020 - June 2020*

○ Learnt and worked on Machine Learning concepts, data preprocessing, EDA, NODE-RED web, APIs, IBM Watson
○ Completed an end-to-end Machine Learning Project "**Predicting Life Expectancy**" made web app and deployed in Cloud

Academic and Research Projects

○ *Project Title:* **Stock Market Forecasting**   *Tools & Technologies:* Deep Learning, RNN LSTMs, LMU, Attention models
To provide efficient stock market forecasting using real-time Stock market data and trained with deep learning RNN LSTM and attentions models in different configurations. Analysed the model performances and factors affecting the forecasting accuracy of stock market data and real-time electric power load data.

○ *Project Title:* **Blind Face Restoration**   *Tools & Technologies:* Deep Learning, GFP GANS, StyleGANS, Keras, Tensorflow
Trained the GFP-GAN on the FFHQ dataset, which consists of 70, 000 high- quality images. GFP-GAN is trained on synthetic data that approximate to the real low-quality images and generalize to real-world images during inference. Generated the color image from black/white and enhances poor old images into high resolution.

○ *Project Title:* **Life Expectancy Predictor**   *Tools & Technologies:* Machine Learning, IBM Cloud, Data analysis, API
Predicts the life expectancy rate of a country based on details entered by user. Built using Machine learning extra tree regression using Kaggle data-set. Deployed model in IBM Cloud and built webpage UI using Node-RED flow editor.

- *Project Title:* **Movie Recommendation System**   *Tools & Technologies:* Machine Learning, Tensorflow, Flask, Heroku
  Works based on the description of an item and profile of the user's preferred choices. Used cosine similarity and nearest neighbours, integrated model with UI using flask. Deployed model in Heroku
- *Project Title:* **Plagiarism Detector**   *Tools & Technologies:* Machine Learning, SKlearn, Amazon Sagemaker
  This project examines a text file and performs binary classification; labeling that file as either plagiarized or not, depending on how similar the text file is to a provided source text using sklearn. Deployed model in AWS Cloud using AWS Sagemaker
- *Project Title:* **Sentiment Analysis Model**   *Tools & Technologies:* Machine Learning, Pytorch, Amazon Sagemaker
  Determine the sentiment of a movie review using a recurrent neural network, LSTM gates, classifier that was trained on the IMDB data-set. Uses certain key words to classify the review as positive or negative.
- *Project Title:* **Face Recognition based Attendance System**   *Tools & Technologies:* Machine Learning, openCV, Flask, Heroku
  It uses face recognition with Deep Learning, OpenCV, CNN models. VGG face data to train model and integration with flask web app. It automatically take images of human compare with trained data and mark attendance in cloud.
- *Project Title:* **Voice Controlled Home Automation**   *Tools & Technologies:* IoT, NodeMCU, Relays, Alexa
  Automatic switching using voice command from Amazon Alexa/Google Assistant by using IoT, NodeMCU, Arduino, relays connected to switch board. Works with internet using Adafruit, MQTT protocol platforms.

Technical Skills

- **Programming Languages:** Python, Apex, Java, C, SQL, MatLab
- **Software Packages and platforms:** MySQL database, REST APIs, PostMan, Workbench, Anaconda, Arduino, Google Colab
- **ML Packages and Frameworks:** NLTK, Pytorch, Tensor flow, Keras, Sklearn, Scipy, Nengo, Lmu
- **Cloud Platforms:** Salesforce - LWC, Lightning, Admin, Integration, Heroku, AWS Cloud Services, IBM Cloud
- **Others:** Deep Learning, HTML, CSS, Flask, MS Office, Git, Ubuntu, Windows, MacOS

Academic Qualifications

Year	Degree	Stream	Institute	CGPA
2022	B.Tech	Electronics and Communications Engineering	Rajiv Gandhi University of Knowledge Technologies, IIIT R.K.Valley	8.95/10
2018	PUC(12)	Maths, Physics and Chemistry	Rajiv Gandhi University of Knowledge Technologies, IIIT R.K.Valley	9.64/10
2016	SSC(10)	SSC	Vivekananda Municipal High School, Madanapalle	10/10

Awards and Achievements

- Honoured with **Pinnacle Performer Award** in Forsys Annual Event **Udaan** 2023
- Secured **2nd Position** in Careers360 Hunt for **Best Campus Ambassador** 2020 among **1000+** CAs in India
- Secured **2nd Position** in Debate Competition in National Science Day Events 2020- RGUKT RK Valley
- Secured **1st Position** in Power Point Presentation competition in Abhiyanth 2019 and 2nd in Debate Abhiyanth 2018
- Received **Appreciation Certificate** in Technical Project Exhibition in University 2nd Convocation, RGUKT-AP in 2017
- Received **Appreciation** for being **Topper** of State SSC exams for securing **GPA 10/10** in 2016
- Received **Merit** and Honorable Mention **among 10 lakh** entries in All India Essay Writing Event 2015 by UN and SRCM
- Awarded **Gold Medal** in Tata India Essay writing- 2015, Received **Award** in Science fair INSPIRE awards- 2014

Courses and Certifications

- **Salesforce Certified** Platform Developer-I, **Salesforce Certified** Administrator
- **HackerRank** Problem Solving - Basic skill Certificate, **Udacity** Machine Learning Engineer Nanodegree
- **Internshala** Machine Learning Summer Training, **APPSDC** Machine Learning Training
- **Cambridge English** KET Certification, **NASSCOM** Foundational Artificial Intelligence
- **Stanford University** Course on Internet of Things, **Deeplearning.ai** Course on Deep Learning Specialization

Workshops/Competitions/Conferences

- Attended **International Online Conference** on Emerging Trends in Healthcare Technology organized by **IIT Kharagpur**
- Attended **4-day International Conclave** -Enhancing technology skills in industry4.0 by Black Bucks in 2020
- Participated in **Technical projects expo** in RGUKT 2nd, 3rd Convocations and Abhiyanth 2k17 and 2k19 tech fests
- Participated in India Innovation Challenge Design Contest - **IIM Bangalore** in 2019

- Attended **Machine Learning workshop** at **IIT Hyderabad** & Workshop on **IoT and Robotics** by ECE Dept, IIIT RK Valley
- Merit in **Texas Instruments** DrishTI Online Contest on 1.Application of Python 2.Linear Integrated Circuits in 2019

Positions of Responsibility

- **Student Coordinator** (*Career Developmnet & Placement Cell 2020-2022*): Involved in the campus placements, trainings
- **Student Coordinator** (*Alumni Cell 2020-2022, IIIT RK Valley*): Coordinating the alumni activities and organizing events
- **Campus Ambassador**(*For Youth4work*) **Campus Ambassador**(*For Careers360*) **Internshala Student Partner** (*2020*)
- Member of **Robotics Lab of RKV**(*Aug'2018- May'2022*): Worked on tech projects, organised tech events

Extracurricular Activities

- **Executive** (*Helping Hands Organization RK Valley 2017-2022*): fundraising, coordinating events
- **Volunteer and Leader** (*National Service Scheme 2016-2018*): Engaged in special camps, long camps, service events in villages
- **Content Writer** (*RKV Journalism*): Wrote contents for RKV ABC Channel in Tech fest Abhiyanth 2k18 and 2k19
- **Hobbies** : Reading books, Internet Surfing, Watching movies, Drawing, Playing Shuttle, Listening to music
- **Interests** : Research, Exploring technologies, Blogging, Travelling
- **Languages Known:** Telugu(fluent), English(fluent), Hindi(mediocre)