

Contact

www.linkedin.com/in/apoorva-sonavani (LinkedIn)

Top Skills

Machine Learning

Python

Artificial Intelligence

Languages

English (Full Professional)

Marathi (Native or Bilingual)

Hindi (Native or Bilingual)

German (Limited Working)

Certifications

Google AdWords

Apoorva Sonavani

Machine Learning Modeling Engineer @ Corning Incorporated |
Deep Learning | Artificial Intelligence | Computer Vision | NLP
Corning, New York, United States

Summary

As a Machine Learning Engineer with a passion to leverage the intersection of cutting-edge technology, human ingenuity, and Data Science, I thrive on exploring the limitless possibilities of Artificial Intelligence to solve complex problems and drive innovation. With expertise in computer vision, natural language processing, and deep learning, I am driven to develop intelligent systems that can learn from data, recognize patterns, and make accurate predictions.

I have had the privilege of working on a wide range of projects, from designing cutting-edge autonomous systems to developing innovative predictive models for businesses across multiple industries.

Currently as a ML Engineer in a manufacturing industry, I am driven to identify business needs on the production floor, work with cross-functional teams and SMEs to form domain context and lead a project to develop innovative capabilities. Whether it's building scalable robust models from scratch, optimizing existing pipelines, or collaborating with cross-functional teams to deploy ML solutions at scale, I have applied machine learning skills to devise impactful solutions on complex manufacturing processes. I leverage 'Big Data' to enhance operational efficiency, streamline processes, and reduce expenses, in line with the principles of Industry 4.0.

Driven by the penchant for innovation, I am contributing to the continuously evolving field of Machine Learning through comprehensive research and experimental testing for proof-of-concept pilot projects to devise innovative solutions resulting in multiple invention disclosures and technical research reports.

I have a proven record of delivering high-impact value, which has been acknowledged through several awards received during my current tenure.

Experience

Corning Incorporated

2 years 4 months

Machine Learning Modeling Engineer

January 2023 - Present (4 months)

Corning, New York, United States

Data Analytics Engineer

January 2021 - January 2023 (2 years 1 month)

Corning, New York, United States

Axcess Financial

Data Scientist

January 2020 - May 2020 (5 months)

Cincinnati, Ohio, United States

- Performed factor analysis for a new product of the company using predictive modeling to determine the customers likely to convert, the key factors for conversion & determine an optimal conversion time window.
- Provided insights & recommendations in form of a Tableau dashboard describing the loan journey of customers.

Mu Sigma Inc.

Decision Scientist

August 2018 - June 2019 (11 months)

Bengaluru Area, India

- Ranked in the top 3% of the cohort to be placed on pilot projects for challenging clientele because of performance
- Solved an analytical problem within a record time of 9 hours with optimal accuracy and featured on the Mu Sigma leaderboard.
- Created an analytical framework for a major Telecom firm to predict likelihood of customer churn using descriptive & predictive modeling. Provided actionable insights and recommendations to decrease attrition by 10%.
- Worked with a Fortune 500 brewing company (CPG) on Demand Forecasting using Time-Series Modeling to increase sales across multiple SKUs in USA.
- Worked with a Fortune 200 biopharmaceutical company for the world's largest selling drug to drive business enhancement.

Arizona State University

1 year 10 months

Academic Tutor: Undergraduate Students

January 2018 - May 2018 (5 months)

Tempe

- Tutored college students in Circuits, Calculus, Electrical and Computer Science Engineering.
- Volunteered in the conduction of the Joaquin Bustoz Math-Science Honors Summer Program.

Math Instructional Aide

August 2016 - January 2018 (1 year 6 months)

Tempe

- Tutored students for MAT 117 (in-class & online) and MAT 142 (in-class) coursework by giving them one-to-one lessons and through group activities conducted in the class.
- Mentored a cohort in the class and worked with them to complete goals towards their coursework and brainstorm about potential career options.

Academic Tutor: Applied Math and Life Sciences

May 2017 - July 2017 (3 months)

- Tutored high school students of excellent merit in academia in AML 100 (Applied Math and Life Sciences)
- Taught lessons of R programming, designed and graded examinations.

Qualität Systems

Computer Vision Intern

November 2015 - June 2016 (8 months)

Pune Area, India

- Performed a literature survey to develop Face Recognition System (FRS) in real-time video.
- Implemented the system using SIFT for feature extraction, Genetic Algorithm for optimization and Feed-Forward Neural Networks for training & classification.
- Researched suitable databases to test this system and improve its performance for real-time data.

Google

Google Student Ambassador

July 2014 - June 2016 (2 years)

- Acted as a liaison between Google and G. H. Rasoni College of Engineering to conduct technical events for the student community and indirectly work towards enhancing the internet economy
- Founded the 'Google Students' Club' in the university and conducted workshops to train students in Digital Marketing using 'AdWords'
- Certified in 'Adwords' by Google
- Worked with prospective entrepreneurs and promoted start-up culture across the university

Suzlon Group

Summer Intern

May 2014 - June 2014 (2 months)

- Worked on Cabinet Hub and Nacelle design of the windmill and documented their power-current readings.
- Analyzed existing hardware equipments for the design and suggested better alternatives for increasing smart safety of the windmill.

Education

University of Cincinnati Carl H. Lindner College of Business

Master of Science - MS, Business Analytics · (2019 - 2020)

Arizona State University

Master of Science (M.S.), Electrical Engineering (Signal Processing) · (2016 - 2018)

G. H. Rasoni College Of Engineering

Bachelor of Engineering (B.E.), Electronics Engineering · (2012 - 2016)

Maharaja Sawai Mansingh Vidyalaya

High School · (2010 - 2012)

Nirmala Convent High School

Matriculation · (1996 - 2010)