

AMRUTA PURANDARE

SUMMARY

- 15+ years of diverse experience across R&D (7 yrs), Corporate IT (5 yrs) and Startup Ventures (5 yrs)
 - Leadership Roles: Sr Manager at Cognizant, Associate Director at Happiest Minds, Principal Data Scientist at Make My Trip
 - Notable Clients: ESPN, Warner Music, Godrej
 - Hands on expertise on Multimedia projects involving Audio, Video, Image, Text, Dialogs
 - Build products & services that showcase creative ideas and latest technology trends
 - Key Areas: Computer Vision, Image Processing, Video Understanding, AI, Machine Learning, Computational Music, Deep Learning
-



ACADEMICS

*Masters in Computer Science
University of Minnesota, USA*

*Bachelors in Computer Engineering
Pune University, India*

*Best Outgoing Student selected
from the class of 2002 based on
academics & extra-curriculum*

*Software Intern at Amazon.com
Headquarters in Seattle, WA*

*Research Intern at Sony, Japan
R&D Team based in Tokyo*

*Research Paper on Humor Analysis
in FRIENDS dialogs.. International
Conference (EMNLP) held in Sydney*

J O B F U N C T I O N S

- *Mentoring & guiding junior team members, to resolve any issues or challenges faced during development and deployment*
- *Preparing & presenting project proposals by outlining the scope of work, project timeline, budget, team structure and solution architecture*
- *Design Solution Architecture by researching latest coding platforms, tools & libraries to solve given use-cases efficiently & accurately*
- *Work closely with business development, sales, marketing teams to ensure projects are aligned with overall corporate strategy*

S K I L L S

Software Libraries	ML Models
<ul style="list-style-type: none">• Amazon Web Services (AWS)• TensorFlow Keras PyTorch• Python REST APIs• Jupyter Notebook Google Colab• OpenCV Raspberry Pi Alexa• Tableau Kibana Elastic Search	<ul style="list-style-type: none">• Convolutional Neural Nets (CNNs)• Transfer Learning• Auto-Encoders• Neural Style Transfer• Large Language Models (LLMs)• Generative AI GANs

P R O J E C T S

- *Image Classification: classify food images by identifying type of dish (burger, sandwich, pizza, noodles, cake etc)*
- *Facial Landmarks: capture facial expressions of comedians in comedy television programs and movies*
- *Video Tagging: detect animal species in wild life documentary films*
- *Activity Recognition: detect indoor / outdoor activities in youtube videos (boxing, cycling, skating, jogging, painting, cooking etc)*
- *Text Mining: suggest tourist destinations and attractions based on user interests by mining travel reviews on Trip Advisor and Lonely Planet*
- *Audio Transcription: generate subtitles for movies and musical soundtracks*