

AMRUTA PURANDARE



S U M M A R Y

- 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

A C A D E M I C S

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

- Amazon Web Services (AWS)
- TensorFlow | Keras | PyTorch
- Python | REST APIs
- Jupyter Notebook | Google Colab
- OpenCV | Raspberry Pi | Alexa
- Tableau | Klarna | Elastic Search

ML Models

- 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*