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

JOB FUNCTIONS

- *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*

SKILLS

Software Libraries	ML Models
Amazon Web Services (AWS)	Convolutional Neural Nets (CNNs)
TensorFlow | Keras | PyTorch	Transfer Learning
Python | REST APIs	Auto-Encoders
Jupyter Notebook | Google Colab	Neural Style Transfer
OpenCV | Raspberry Pi | Alexa	Large Language Models (LLMs)
Tableau | KIbana | Elastic Search	Generative AI | GANs

PROJECTS

- *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 popular destinations based on user interests by mining travel reviews on Trip Advisor and Lonely Planet*

- *Audio Transcription: generate subtitles for movies and musical soundtracks*