JAY PRAKASH THAKUR

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Summary

A Researcher & Developer having 6+ years of Professional Experience with Solid knowledge in **Data Science, Machine Learning / Deep Learning, Computer Vision and Applied Mathematics.** Worked on different AI Solutions like 3D image classification/segmentation/generation and Integration & Development of APIs, exposing Microservices(REST). Extensive experience in development and user support. Skilled in debugging, analysis and problem solving in diverse technical environments. Highly motivated with a tendency to gravitate towards a challenging environment.

Technical Skills

Languages	:	Python, Node.js, Java, C++
Frameworks	:	Tensorflow, PyTorch, Keras
Libraries	:	Scikit-learn, Matplotlib, Pandas, Numpy
Version Control	:	Git / GitHub
CI / CD	:	Bamboo
Cloud Service	:	AWS
Tools	:	Jupyter, Intellij , VS Code

Research and Project Experience (Accenture Sol. Pvt. Ltd.)   Bangalore | India | *Nov, 2014 - Dec 2020*

AI Assistant for Generative Design (Accenture Lab)   *Mar, 2019 - Dec 2020*
- Used Deep Learning models to convert **Sketch to 3D** and recommendations for similar 3D objects.
- Created API service using python flask and Developed UI using AngularJs.

3D Theme Transfer (Accenture Lab)   *May, 2018 - Dec 2020*
- Transferred one object design to other using Neural Network
- Studied and Implemented recent research papers like **MeshCNN** and **PointNet** for 3D classification and segmentation.
- Built GUI using AngularJs.

Human Robotic Interface (Accenture Lab)   *Mar, 2018 - Feb, 2019*
- Built a **multi channel communication** feature of Robot.
- Used Dialogflow for voice UI and implemented using Jovo Framework

Billing System (*Client* – Telstra)   *Sep, 2017 – Feb, 2018*
- Created **Node.js** based **REST API** using **Microservice** architecture.
- Tested using **Mocha** and **Chai** & deployed on **AWS**, used **Bamboo** for CI/CD.

Comcast ESP (*Client* – Comcast)   *May, 2016 – Aug, 2017*
- Migrated **SOAP** api services to **REST API Microservice**s.
- Used **Spring Boot** for development and Tested using **JUnit** and **Mockito**.

MQT (*Client* – Nokia)   *Nov, 2014 – Apr, 2016*
- Developed a web based application to generate Bids & Proposal quotations for client's.
- Created ability to save and generate quotations along any stage of quotation development.

Educational Qualification

Masters in **Computer Science**   *Pursuing*

University	:	The University of Texas at Arlington, USA

Bachelor of Engineering in **Information Technology**   *Sep, 2010 – May, 2014*

Cumulative GPA	:	8 / 10
College	:	Technocrats Institute of Technology College, Bhopal
University	:	Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal (M.P)

MOOC's and Certification

- Deploy Models with Tensorflow Serving and flask   *Coursera | June, 2020*
- Computer Vision Nanodegree   *Udacity | May, 2020*
- Deep Learning Nanodegree   *Udacity | Feb, 2018*
- Enterprise Deep Learning with Tensorflow   *openSAP | Dec, 2017*
- Deep Learning with Tensorflow   *Cognitive Class(IBM) | Oct, 2017*
- Machine Learning Specialization   *Coursera | Mar, 2017*