

PRAVEEN KUMAR

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Objective Passionate IT professional indulged in a corporate environment for 2.5+ years. Work experience in Speech, ML, and DL domains. I am seeking to leverage my experience and talent to help the organization evolve and augment my knowledge.

Skills

- Worked on Computer Vision, Speech Recognition, and Natural Language Processing.
- Knowing languages in Python, SQL, Unix CLI, Django, TensorFlow, and PyTorch.
- Working knowledge and hands-on practice of CI/CD, API Integration, Git & GitHub, Docker, Deep Learning models in Production and Anaconda.
- Deep understanding of CNN, LSTM, GRU, Attention Models, Encoder-Decoder networks, Automatic Speech Recognition, and Transformer Architectures.
- Kaggle Expert – Participated over 15+ research and featured competitions in Speech, Computer Vision, and NLP domains

Experience **AI Engineer @TrellisSoft**
Jan 2021 – Present

- TrellisSoft is a customer-centric AI company based in California, USA. We deliver AI solutions in the domain of sales, healthcare, and blockchain.
- Responsible for designing & developing multilingual ASR, Question Answering, and Sentiment Analysis Systems.
- Created Data Flow Pipelines for Semi-Supervised Learning processes for CI/CD.
- Lead a team of 6 people to develop ICD & CPT medical coding System for AAPC Client.
- Mentored 3 Interns in the NLP domain.

Software Developer @TrellisSoft
Jan 2020 – Dec 2020

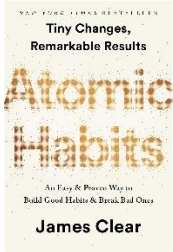
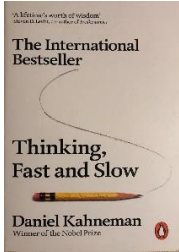
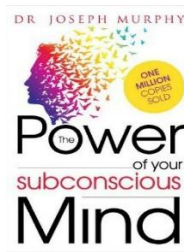
- Responsible for design Django REST framework-based CRUD API's.
- Learned basics of Django Object Relational Model queries
- Hands on SQL queries with PostgreSQL, SQL Server DBMS

Projects **Speech Recognition System**
Mar 2022 – Present

- Speech Recognition System is capable of transcribing low frequency calls to text in English & Spanish.
- Hands on Mozilla Deep Speech / Wav2Vec2 Engine, using which enhanced Speech recognition accuracy from 38% to 87% in English and an accuracy of 76% in Spanish calls in the domain of sales calls.
- Increased overall sales calls evaluation from 150 to 3000 calls per day.
- Developed concrete methodologies to solve complex and delicate speech problems.

Question Answering System
Dec 2021 – Present

- Question Answering System is capable of understanding context in long conversations and responds with answers specific to the domain.
- I trained BERT Transformer architecture from scratch and enhanced context understanding accuracy from 63% to 92% in English and 85% in Spanish conversations.
- Helped in filtering sales calls mislead and invalid call evaluations from 400 to 5300 sales calls per day.

Education	<p>MVJ College of Engineering Aug 2016 – Aug 2020</p> <ul style="list-style-type: none"> - Specialization in “<i>Computer Science and Engineering</i>” - Attained an 8.0 GPA on a scale of 10.
Achievements	<ul style="list-style-type: none"> - “<i>Brainiac of the Quarter-2 2021</i>” at TrellisSoft for Innovation in Speech Data Augmentation. - Secured <i>AIR 3784</i> in GATE 2021 CS&IT. - “<i>Rising Employee of the Year 2020</i>” at TrellisSoft for ASR & NLP Innovations. - Published 3 research papers in the domain of Machine learning and Computer Vision.
Habits/ Interests	<div>    </div> <ul style="list-style-type: none"> - YouTube & Twitter content creator on – NLP, CV, ML, Kaggle Competitions, Coding, and GitHub Projects.