

YASHASVI KANCHUGANTLA

Linkedin: <https://www.linkedin.com/in/yashasvi-kanchugantla-86a910108/>

Email : yashasvikanchugantla@gamil.com

Mobile : +91-7407625252

EDUCATION

- Indian Institute of Technology, Kharagpur** Kharagpur, India
Bachelor of Technology with Honors in Computer Science and Engineering
Micro Specialization in Intelligent Learning Systems Design; GPA: 8.03/10
Coursework: Deep Learning, Speech & Natural Language Processing, Artificial Intelligence, Information Retrieval, Database Management Systems, Image Processing, Operating Systems, Computer Networks, Probability and Statistics, Matrix Algebra
Jul, 2015 - May, 2019

SKILLS SUMMARY

- Languages:** Java, GoLang, Ruby, Python, C, C++
- Frameworks & Others:** MySQL, PostgreSQL, MongoDB, Kubernetes, PyTorch, Tensorflow, scikit-learn, NLTK, PySpark, Git, AWS

WORK EXPERIENCE

- Motive Technology Inc, India - Backend Engineer III** Dec, 2021 - Present
 - Owned Tire Pressure Management Module for vehicles from design to production deployment. — *Complete microservice implementation, maintenance, enhancements and Kubernetes deployment.*
 - Contributed to software for inspecting vehicles and their tracking. Finished multiple modules through the SDLC — *Technical design and implementation, Optimization and Rollout captaincy.*
 - Brought down p95 API response times for the above services from existing **5min to 2.3sec** by spearheading **table partitioning** for 4 bulkiest tables with existing coupled data and also by coming up and solving with several **query optimization techniques** on the codebase.
 - Applied several design patterns to solve product gaps, design software solutions for 7 M-XL projects around vehicles inspection mechanism and driver reports. **Tech used:** Ruby On Rails, GoLang, Redis, PostgreSQL, gRPC Protocol.
- Visa Inc, Bangalore - Software Engineer** July, 2019 - Feb, 2022
 - A significant contributor to the global billing platform, which aims to supplant all existing regional billing platforms that are responsible for 33% of Visa's revenue.
 - Implemented multiple modules independently using the technologies: Java-Spring Boot, AngularJS, and MySQL.
- Schlumberger India Pvt Ltd - Engineering Intern** May, 2018 - July, 2018
 - Overhauled part of business software to Microservices, as proof of concept, to migrate the whole architecture from Monolithic.
 - Technology used: Java, Spring Framework — Kubernetes deployment to demonstrate agility of cloud development.
 - The project led to ideation of converting several other data intensive legacy softwares to Microservices.

RESEARCH AND ACADEMIC PROJECTS

- Off-Topic Detection And Linking In Massive Open Online Courses(MOOCs)** Jul, 2018 - Apr, 2019
Prof.Plaban Kumar Bhowmik IIT Kharagpur
 - Developed OffVid: A system for linking off-topic concepts to topically relevant video lecture segments in NPTEL lectures.
 - Identified the topics in video lectures using its transcripts and detected off-topics with Concept Similarity Networks(CSN).
- Optimization of number of channels in cognitive load & motor imagery signals of EEG** July, 2018 - April, 2019
BTP Dissertation, Prof.Debasis Samanta IIT Kharagpur
 - Adopted a novel approach of integrating the statistical filtering method and then a wrapper approach, Prediction Shuffling.
 - Implemented all the state-of-the art approaches(Filter approach - MI,MDMR, Fisher and 2 others, Wrapper approach - Genetic Algorithms(2 variants),Recursive Feature Addition and Elimination) for analysis and comparison of my model.
 - Accuracy obtained is 83.21% with 0.4, while best performance 74.36%,is using GA-MLP and 0.61 of the total channels
- Linguistic Analysis of Difference in Portrayal of Movie Characters** Jul. 2017 - Nov. 2017
Prof.Niloy Ganguly
 - Analysed differences in portrayal of movie characters with respect to the characters' age, gender, race and other metadata.
 - Psycholinguistic metrics were extrapolated to dialogues in movies using a linear regression model over some seed words.
 - Degree and betweenness centrality measures were applied over the character network graph for a movie.

PUBLICATIONS (SELECTED)

- Nangi**, et al., "OffVid: A System for Linking Off-Topic Concepts to Topically Relevant Video Lecture Segments", ICALT-2019 [Paper]

SKILLS SUMMARY

- Languages:** Python, SQL, C, C++, Java, GoLang, Ruby
- Frameworks & Libraries:** PyTorch, Tensorflow, scikit-learn, NLTK, PySpark, Git, AWS

AWARDS AND ACHIEVEMENTS

- Kishore Vaigyanik Protsahan Yojana(KVPY)Scholar 2014: Awarded to 1000 exceptional students to encourage research in India.
- Secured an All India Rank - 769 in JEE-ADVANCED 2015
- **Extra-Academic:** Member at LeanIn, Student Mentor at Alumni Cell, IIT Kharagpur