

# MANASA JANARDAN BHAT

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Amsterdam, The Netherlands

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## EDUCATION

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**University of Amsterdam, The Netherlands** Sep 2018 - Aug 2020  
*Research Master(MSc) in Artificial Intelligence, Specialization - NLP* 8/10

- Relevant Courses: Machine Learning, Deep learning, Natural Language Processing, Data Mining

**NMAM Institute of Technology, India** Sep 2011 - Jun 2015  
*Bachelor of Engineering in Computer Science* 9.6/10

- Relevant Courses: Data structures and Algorithms, Software Engineering

## WORK EXPERIENCE

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**Artificial Intelligence Developer** Oct 2020 - Present  
*Freelancer*

- Develop solutions for Text Classification, Named Entity Recognition, Entity Extraction, Chat-bot using latest Deep Learning and Machine Learning models.
- Supervising junior Data Scientists on developing Machine Learning pipeline.

**Graduate Deep Learning(NLP) Engineer** Nov 2019 - Aug 2020  
*ZyLAB, Amsterdam, The Netherlands*

- Led a team of 8 people in the Data labeling process to create a new dataset of 2500 datapoints.
- Developed a solution using transformer model(BERT) to automatically extract Emotion and Target entities from textual evidence to accelerate the legal eDiscovery process of fraud detection. [Python,PyTorch]

**Research and Development Engineer** Aug 2015 - Jul 2018  
*Synopsys, Bangalore, India*

- Developed new features for the prodcut - Formality(Formal Equivalence Checking Tool) [C,C++]
- Supported new language constructs in VHDL/Verilog readers(compilers). [Lex,Yacc]
- Improved customer bug fix turnaround time by developing new Debug utilities. [C++,Python]

## TECHNICAL SKILLS

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<b>Programming Tools</b>	Python, C++ PyTorch, Tensorflow, Keras, Pandas, Scipy, Scikit-learn, Matplotlib, Seaborn, Git, Docker, AWS
<b>NLP Tools</b>	Spacy, NLTK, Flair, Huggingface, RASA, Dialogflow
<b>Others</b>	HTML, Javascript, Django, SQL

## PROJECTS/TRAINING

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### **Deloitte AI training**

- Trained the Operational Finance team at Deloitte, Amsterdam on the basics of Machine Learning and NLP.

### **Hotel Ranking to Maximize Bookings - Expedia Dataset**

- Developed a ML model to rank list of properties for a search query based on click likelihood using Random forests and Boosted Trees Ranker.
- Achieved rank 3 among the 122 teams participated at University level.

### **Text summarization system**

- Developed a pointer-generator network to perform extractive and abstractive summarization of news articles using Bi-LSTM with attention and GloVe+ELMo embeddings.

### **Explainable Recommendation Systems**

- Developed an explainable recommendation system for e-commerce by generating user reviews using Bi-LSTM with attention and GloVe embeddings.

## EXTRA CURRICULAR

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### **Synopsys Global Volunteer**

Sep 2015 - Oct 2017

- Helped to renovate financially poor schools in India

### **Teach For Good**

Jan 2015

- Taught science subjects to school children in villages in India.