

AMANDEEP

Lead Software Engineer

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PROFESSIONAL SUMMARY

- Infusing intelligence in business solutions with the ability to lead projects from an idea to industrialization
- I have around **8 years of overall experience** in the domains - financial, casino gaming, banking, and telecom.
- I also have **3 years of experience in data analytics**, machine learning, and deep learning in many distinct domains.
- My passion is to decipher the world's toughest industry puzzles by leveraging my persuasive and collaboration skills
- Triumphant quite a few business challenges that demand a high rigor, smart-work, dedication, creativity, and innovation

SKILLS

Mongo-DB, Oracle, Sql, Git, Agile, Spark, Hadoop
Java 7/8 (Spring-boot, Maven, IntelliJ, Junits), Scala 2.11 (sbt)
Python 3 (spaCy, matplotlib, pandas, scikit-learn, pytest, Pycharm)
Deep Learning (DNN, CNN, RNN, LSTM, Word2Vec) & Machine Learning
Natural Language Processing (Text Vectorizers, Document Classification, NER models, PyTorch)

ACHIEVEMENTS



TCS iON Pragati initiative 2011

In top 20 students among 240 students



Aspirations2020 - Programming Contest

Reached State Level, Infosys, Chandigarh Campus



ACM – International Programming Contest

Reached at National Level @ IIT Kanpur Campus Contest



Certified Data-Scientist in python by DataCamp

Completed 22+ hands-on certificates in data-scientist track



4 Certificates from IITs (Madras & Bombay) (NPTEL)

Data Mining, Machine Learning, Probability, Data Science Certificates

EDUCATION

Master of Technology, Software Systems
Specialization in Data Analytics

BITS, Pilani

9.4 CGPA | 2017 – 2019



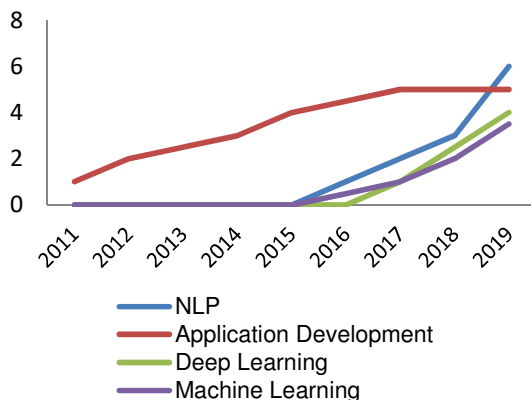
Bachelor of Technology,
Computer Science & Engineering

CITM, Faridabad

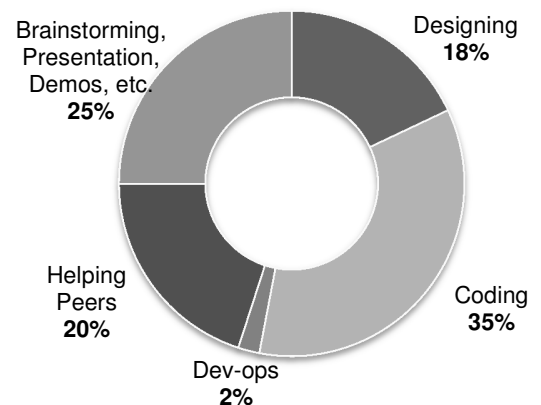
72.64 % | 2008 – 2012




CAREER GRAPH



MY TIME




EXPERIENCE

Lead Software Engineer, Orange Business Services India Solutions Pvt., Gurugram		2018 – Present 
• Skills learned:	Deep Learning for NLP, Machine Learning, Python, Version Control	
• Models trained:	DNN, CNN, RNN, LSTM, Doc2Vec, Word2Vec, Tf-idf, CountVectorizer	
• Libraries used:	pytorch, spacy, nltk, sklearn, matplotlib, pandas	
• Languages used:	Python, Scala, Java, sql, hive	
• Tools used:	Intellij, Pycharm, Mongo-DB compass, Zeppelin, Jupyter Notebook	
• Industrialized Projects: <ol style="list-style-type: none">Information Extraction from 250+ email templates → NER (NLP, DeepNLP)Service Insights for Incidents → Sentiment Analysis/Classification (NLP, DeepNLP)		
• Other Projects: <ol style="list-style-type: none">Intelligent Troubleshooting. (NLP, DeepNLP)		
• Role and Responsibilities: <ul style="list-style-type: none">Discussion with stakeholders for their requirements around intelligent productsBuilding project, roadmaps, demoing frequent prototypes for immediate feedbacks, guiding engineering teamDefining and convincing stakeholders or business for data collection processes.Trying and building different machine learning and deep learning models.		


Software Designer,


RBS Services India Pvt. Ltd.(Royal Bank of Scotland), Gurugram


2015 – 2018



• Skills learned:	Machine Learning, Python, Java, Version Control
• Models trained:	CNN, SVC, Linear Regression, Logistic Regression, NB, DT, Tf-idf, BOW
• Libraries used:	pytorch, open-cv, pytesseract, sklearn, matplotlib, pandas
• Languages used:	Java, Python, Sql
• Tools used:	Intellij, Pycharm, UI Path, Sql Developer
<div>• Industrialized Projects:<div><div>1. Predicting possible disputed margin calls and it's reason → Linear and Logistic Regression Models (ML)</div><div>2. Collateral Application → Java based application (Application Development)</div></div></div> <div>• Other Projects:<div><div>1. Tora Use-Case was in progress → SVC, CNN Model (Computer Vision, Deep Learning)</div><div>2. Resume Ranking Application → Tf-IDF, BOW, NB, Logistic Regression (NLP)</div></div></div>	
<div>• Role and Responsibilities:<div><div>• Driver of ML Initiative in collateral space of NatWest Markets.</div><div>• Trained regression models with 90 days rolling window to predict dispute amounts and next day margin call amount</div><div>• Trained 7-class classification models to classify possible dispute reasons, waived reasons & substitution codes.</div><div>• Single-handedly built many modules of regulatory-based</div><div>• Collateral management application in Java especially Discrepancy Reports</div></div></div>	

Associate, Technology, Nagarro Software Pvt. Ltd., Gurugram [NetEnt, Sweden]		2014 – 2015	
• Skills learned:	Java, Hadoop, Version Control		
• Use-Case:	Facebook Fan Page Analysis (Social Analytics)		
• Libraries used:	Hadoop Jars		
• Industrialized Projects: 1. Java-based Casino Gaming (not from scratch)			
• Other Projects: 1. Facebook Fan Page Analysis was just a POC.			
• Role and Responsibilities: • Part of NTEG group and explored social analytics through Facebook Fan Pages • Implemented User Stories, wrote JUnits, mentored of junior members of team. • Participated in bug dance meetings, spring planning & demos			

Software Engineer, Infogain India Pvt. Ltd., Noida [Financial Engines, USA]		2012 – 2014	
• Skills learned:	Java, Hadoop, Version Control		
• Use-Case:	<ul style="list-style-type: none"> Validating and maintaining data integrity of Financial Engine's Java Application Transforming automation tech-stack to open-source technologies 		
• Libraries used:	Hadoop Jars		
• Industrialized Projects:	<ol style="list-style-type: none"> Implemented user stories, bug fixes in Java Spring Application Derive end to end single-handed development of Browser Interaction APIs with Python (starting from POC feasibility) 		
• Other Projects:	<ol style="list-style-type: none"> Wrote deployment scripts in python to support one click deployment feature 		
• Role and Responsibilities:	<ul style="list-style-type: none"> Single point of contact for any queries, enhancements, clarification of the same framework) Up-skilled/trained 10 resources for leveraging the python API 		

Trainee, TCS, Faridabad (Experience is by the name of Amandeep Rukhaya and is <u>during graduation</u>)		2011 – 2012	
• Skills learned:	Java, J2ME, XML		
• Libraries used:	J2ME libraries		
• POC Projects:	<ol style="list-style-type: none"> iON Solutions on Mobiles – mobile applications for conducting quizzes 		
• Role and Responsibilities:	<ul style="list-style-type: none"> Understanding and discussing the problem statement Implementing the requirements and demoing the same to seniors Sharing status of the deliverables on web-ex to TCS Mumbai Team 		