

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

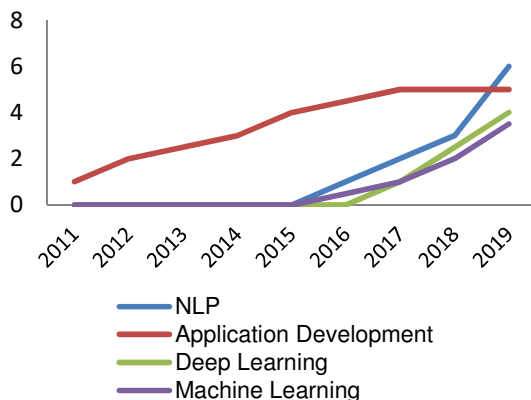
Master of Technology, Software Systems
Specialization in Data Analytics
BITS, Pilani

9.4 CGPA | 2017 – 2019

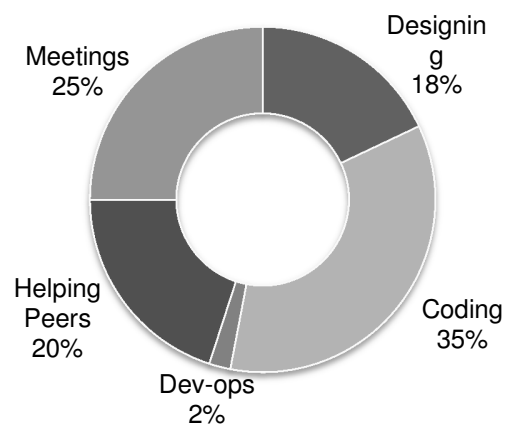
Bachelor of Technology,
Computer Science & Engineering
CITM, Faridabad

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: 1. Information Extraction from 250+ email templates → NER (NLP, DeepNLP) 2. Service Insights for Incidents → Sentiment Analysis/Classification (NLP, DeepNLP)		
• Other Projects: 1. Intelligent Troubleshooting. (NLP, DeepNLP)		
• Role and Responsibilities: • Discussion with stakeholders for their requirements around intelligent products • Building project, roadmaps, demoing frequent prototypes for immediate feedbacks, guiding engineering team • Defining 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	
• Industrialized Projects: <ol style="list-style-type: none">1. Predicting possible disputed margin calls and it's reason → Linear and Logistic Regression Models (ML)2. Collateral Application → Java based application (Application Development)		
• Other Projects: <ol style="list-style-type: none">1. Tora Use-Case was in progress → SVC, CNN Model (Computer Vision, Deep Learning)2. Resume Ranking Application → Tf-IDF, BOW, NB, Logistic Regression (NLP)		
• Role and Responsibilities: <ul style="list-style-type: none">• Driver of ML Initiative in collateral space of NatWest Markets.• Trained regression models with 90 days rolling window to predict dispute amounts and next day margin call amount• Trained 7-class classification models to classify possible dispute reasons, waived reasons & substitution codes.• Single-handedly built many modules of regulatory-based• Collateral management application in Java especially Discrepancy Reports		

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: <ol style="list-style-type: none">1. Java-based Casino Gaming (not from scratch)			
• Other Projects: <ol style="list-style-type: none">1. Facebook Fan Page Analysis was just a POC.			
• Role and Responsibilities: <ul style="list-style-type: none">• 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 		