

# AMANDEEP

## Techno-Functional Data-Driven 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

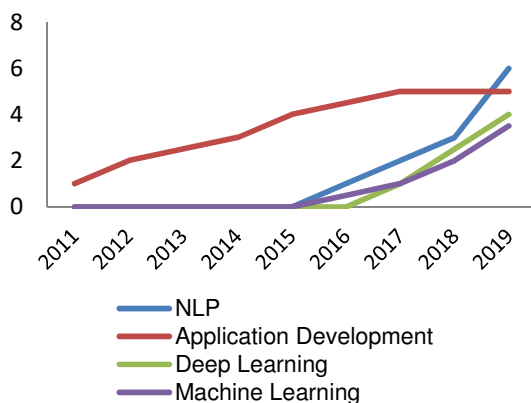
Master of Technology, Software Systems  
Specialization in Data Analytics  
BITS, Pilani

9.4 CGPA | 2017 – 2019 📅

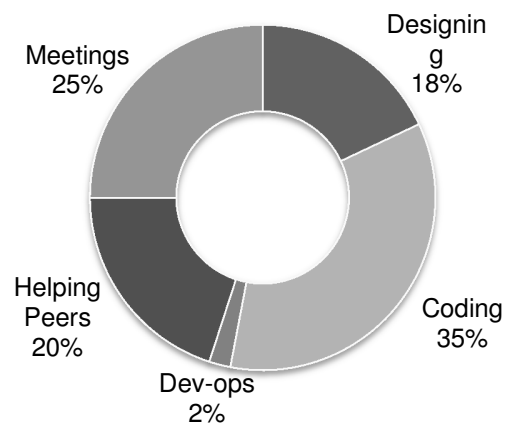
Bachelor of Technology,  
Computer Science & Engineering  
CITM, Faridabad

72.64 % | 2008 – 2012 📅


## CAREER GRAPH





## MY TIME





## EXPERIENCE

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

<b>Software Designer,</b> RBS Services India Pvt. Ltd.(Royal Bank of Scotland), Gurugram		2015 – 2018 
• <b>Skills learned:</b>	Machine Learning, Python, Java, Version Control	
• <b>Models trained:</b>	CNN, SVC, Linear Regression, Logistic Regression, NB, DT, Tf-idf, BOW	
• <b>Libraries used:</b>	pytorch, open-cv, pytesseract, sklearn, matplotlib, pandas	
• <b>Languages used:</b>	Java, Python, Sql	
• <b>Tools used:</b>	Intellij, Pycharm, UI Path, Sql Developer	
<b>• Industrialized Projects:</b> <ol style="list-style-type: none"><li>1. Predicting possible disputed margin calls and it's reason → Linear and Logistic Regression Models (<b>ML</b>)</li><li>2. Collateral Application → Java based application (<b>Application Development</b>)</li></ol>		
<b>• Other Projects:</b> <ol style="list-style-type: none"><li>1. Tora Use-Case was in progress → SVC, CNN Model (<b>Computer Vision, Deep Learning</b>)</li><li>2. Resume Ranking Application → Tf-IDF, BOW, NB, Logistic Regression (<b>NLP</b>)</li></ol>		
<b>• Role and Responsibilities:</b> <ul style="list-style-type: none"><li>• Driver of ML Initiative in collateral space of NatWest Markets.</li><li>• Trained regression models with 90 days rolling window to predict dispute amounts and next day margin call amount</li><li>• Trained 7-class classification models to classify possible dispute reasons, waived reasons &amp; substitution codes.</li><li>• Single-handedly built many modules of regulatory-based</li><li>• Collateral management application in Java especially Discrepancy Reports</li></ul>		

<b>Associate, Technology,</b> Nagarro Software Pvt. Ltd., Gurugram [NetEnt, Sweden]		2014 – 2015	
• <b>Skills learned:</b>	Java, Hadoop, Version Control		
• <b>Use-Case:</b>	Facebook Fan Page Analysis (Social Analytics)		
• <b>Libraries used:</b>	Hadoop Jars		
<b>• Industrialized Projects:</b> 1. Java-based Casino Gaming (not from scratch)			
<b>• Other Projects:</b> 1. Facebook Fan Page Analysis was just a POC.			
<b>• Role and Responsibilities:</b> • 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			

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

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