

# ABHINAV CHANDA

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## PROFILE

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- Three years in data analysis, digital transformations and product development. Looking to leverage my consulting and data skills – as a data professional – to bridge gaps and drive businesses forward
- **Proficient in** Python, R, SQL, SAS EM, Tableau, Excel, Hive, PowerPoint, SAP HANA, JavaScript, Agile
- **Core Competencies:** Business Analytics, Machine Learning, Data Science, Data Visualization, Predictive Analytics, NLP, A/B Testing, Big Data, Software Development, Leadership, Decision Making

## EDUCATION

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### **Purdue University, Krannert School of Management**

**West Lafayette, IN**

#### ***Master of Science in Business Analytics and Information Management***

**June 2019 - May 2020**

- Built a deep learning model using Keras in Python to predict rushing yards for a play in an NFL game for better judgement of factors - beyond player abilities - crucial to a successful rushing play
- Devised a portfolio optimization system using LSTM and parallel computing in Python to calculate quarterly returns that are fed directly into a R Shiny decision support application for portfolio selection and visualization
- Created an NLP framework in Python using NLTK that reduced misclassification of product listings by 96%
- Developed a Python kernel on NumPy, Pandas and Scikit-learn to predict NBA player performance with 95% accuracy and recommend optimal player trading strategies within user specified budgets

#### ***Graduate Teaching Assistant***

**November 2019 – May 2020**

- Teaching Assistant for a Marketing Analytics course to both graduate and undergraduate students focusing on hypotheses testing, predictive analytics and decision analysis in marketing scenarios using R

### **Kalinga Institute of Industrial Technology**

**Bhubaneswar, India**

#### ***Bachelor of Technology in Electronics and Telecommunications***

**April 2016**

- **Capstone Project** – “Android based, Bluetooth controlled robot with Infrared Sensors for obstacle detection”

## PROFESSIONAL EXPERIENCE

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### **Internship with a major US retailer**

**West Lafayette, IN**

#### ***Data Scientist Intern***

**January 2020 – March 2020**

- Designed an end-to-end pipeline to detect ADA compliance of products listed on the digital platform leading to potential savings of up to \$7.5 Mn due to a reduction in manual effort and audit findings
- Utilized Tensor Flow for label detection and Tesseract OCR for text parsing from images
- Implemented a validation Framework using OOP to create a scalable, configurable and customer-centric tool
- Created a reporting dashboard using Tableau for monitoring category-wise product compliance

### **Deloitte Consulting**

**Bangalore, India**

#### ***Business Analyst – Financial Analysis & Material Management***

**March 2018 – April 2019**

- Automated 12 financial procedures for streamlining strategy execution, generating savings of \$1 Mn each year
- Formulated cohesive BI solutions for dashboard reporting and measuring KPIs by interfacing with US and Canadian business teams; ensured delivery commitments were met, improved client's resource utilization by 15%
- Coordinated with cross-functional teams in Australia to refine organizational strategy for material management and scheduling, saving 60 hours per week
- Led primary research on application customizations for new markets; papers published on global SAP platforms

#### ***Data Analyst – Process Automation & Reporting***

**Bangalore, India**

**August 2016 – February 2018**

- Spearheaded an initiative to digitize consumer complaint logging and onboarding for a major US energy services provider saving over 15 hours of manual effort per week
- Supervised team of five analysts in developing an ETL architecture for sensor data using Hive/SQL and Tableau for enabling predictive maintenance leading to system downtime reduction by 20%

## LEADERSHIP ACTIVITIES, AFFILIATIONS, HONORS

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- Selected to the 2020 INFORMS Business Analytics Conference for work done in “A Novel Application of Optical Character Recognition for Product Image Compliance”
- Recipient of multiple performance-based awards from Deloitte Consulting for delivering outstanding work
- Tableau certified ‘Data Scientist’. Certified by NVIDIA for ‘Deep Learning for Natural Language Processing’