

Karan Arya

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EDUCATION

Indian Institute of Technology (Banaras Hindu University), Varanasi, B.Tech + M.Tech 2013-2018
• GPA: 9.32/10. Rank: 2. Major: Pharmaceutical Engineering. 5-year Integrated Dual Degree (B.Tech + M.Tech).

EXPERIENCE

McKinsey & Company, Analyst Jan 2020-Present
• Help set strategies that improve quality and reduce cost in response to rising healthcare expenditures.

Wolters Kluwer, Data Scientist I Dec 2018-Dec 2019
• Developed a full-fledged Apache Spark model to manage the intricacies of big data and achieved 10x improved performance and 34x time efficiency.
• Interacted with stakeholders to present insights on pricing and timeline strategies of recommendation system.
• Designed an AI-powered solution using machine learning called as Bill Analyzer.
• Delivered a project on keyword extraction and presented the overall workflow and architecture to the leadership.
• Managed the development of a micro-model using Bag of Words Classifier for binary classification.
• Organized training sessions on Statistics and Machine Learning for the new incoming colleagues.
• Led and mentored a team to work on POC model development and its relevant customizations for project delivery.

Purdue University, Research Assistant Aug 2018-Nov 2018
• Joined as a PhD candidate focusing on the applications of machine learning in Chemistry but dropped out due to father's critical health condition.

University of Cambridge, Informatics Intern May 2017-July 2017
• Analyzed the targets of novel Afro-cancer compounds.
• Generated a cancer classification model of cellular data using machine learning.

University of Würzburg, DAAD (German Academic Exchange) Intern May 2016-July 2016
• Optimized iClick reactions using analytics on compounds, structures, solvents and reaction types.

Treebo Hotels, Business Analytics Intern May 2015-July 2015
• Interacted with clients as part of the business development team and contributed to sales inventory analytics.

SKILLS

- **Business:** Strategy, Problem Solving, Entrepreneurial Drive, Teamwork, Communication, Accountability, Leadership, Presentation.
- **Analytics:** Excel, Tableau Basics, NLP, Deep Learning, Machine Learning, Statistics.
- **Programming:** Python, Spark, SQL Basics, HTML5, CSS3.

COURSES AND CERTIFICATIONS

| | | |
|---------------------------------|----------------------------------|------------------------------------|
| Strategic Management | Cost and Economics in Strategy | Customer Value in Pricing Strategy |
| Mergers and Acquisitions | Future Healthcare Payment Models | Market and Competition in Pricing |
| Business Applications of AI | Strategy Formulation | Strategy Implementation |
| Principles of Corporate Finance | Introduction to Data Science | Basics of Statistics |

AWARDS & ACCOMPLISHMENTS

- GRE Score: 328/340. TOEFL Score: 112/120.
- Recipient of the Ross Fellowship at Purdue University, USA and DAAD WISE Scholarship, Germany.
- Awarded US \$5000 for Bachelor's Thesis by Govt. of India. Secured the IIT Merit-cum-Means Scholarship from the Govt. of India, HDFC Bank Scholarship, BHEL FAEA and GATE Fellowship.
- Held the position of Marketing Head and Scientific Coordinator at the annual festival of IIT BHU Varanasi.
- Led the Spirit '16 blood donation campaign in Uttar Pradesh.

EXTRA-CURRICULAR PROJECTS

- As a Knowledge Associate, managed a team of 30 interns in order to ensure the procurement of quality educational content for Scholars for Change Campaign, IIM Ahmedabad.
- Working with an enthusiastic team to deliver career oriented educational trainings for Pune college graduates.