**Karan Arya**

• Pune, India • [karan.arya4196@gmail.com](mailto:karan.arya4196@gmail.com)

• +91-7390082180 • [LinkedIn](http://www.linkedin.com/in/karan-arya) • [GitHub](http://www.github.com/karanarya4196) • [Portfolio](https://karanarya4196.github.io/)

# 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).

**Symbiosis Institute Pune,** PGDM, Data Science and Statistics July 2019-Present

* GPA: NA/10, Rank: NA.

# EXPERIENCE

**Wolters Kluwer,** Data Scientist I Dec 2018-Present

* Worked on NLP and machine learning modeling to develop an AI-powered product - Bill Analyzer.
* Developed a full-fledged Apache Spark version of the Bill Analyzer model to manage big data.
* Involved in the predictive modeling of a lawfirm recommendation system for clients using deep learning and NLP.
* Contributing to the dashboard development using Dash and Plotly.

**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

* Modeling and target prediction of Afrocancer compounds.
* Cancer classification of cellular data using machine learning.

**University of Würzburg,** DAAD (German Academic Exchange) Intern May 2016-July 2016

* Optimization of iClick reactions using analytics and modeling.

**Treebo Hotels,** Business Analytics Intern May 2015-July 2015

* Contributed to the business development and sales inventory analytics.

# SKILLS

* **Business Analytics & Data Science:** Excel, Tableau, NLP, Deep Learning, Machine Learning, Statistics.
* **Major Libraries:** Sklearn, TensorFlow, Keras, OpenCV, NLTK, spaCy, Spark-MLlib, Spark-NLP, Plotly.
* **Languages:** Python, Spark, SQL, HTML5, CSS3.
* **Soft Skills:** Problem Solving, Teamwork, Communication, Accountability, Leadership, Presentation.

# COURSES AND CERTIFICATIONS

|  |  |  |
| --- | --- | --- |
| Basics of Statistics | Python Programming | Neural Networks and Deep Learning |
| Introduction to Data Science | Machine Learning with R and Python | CNNs and Sequence Models (RNNs) |
| Data Structures and Algorithms | Advanced Statistics and Data Analysis | TensorFlow Specialization |
| Introduction to R Programming | Emerging Trends in Data Science | + 3 more Coursera certifications |

# AWARDS

* Recipient of the Ross Fellowship at Purdue University, USA and DAAD WISE Scholarship, Germany.
* Awarded US $5000 for Bachelors 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.
* Gold Medalist consecutively from Class I to XII.
* 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.

# COMPETITIONS AND PROJECTS

* Developed a responsive front-end demo website using HTML5 and CSS3 (Repository on GitHub).
* Drug repurposing to target anti-tubercular enzymes utilizing drug discovery algorithms and network analysis.
* As a Knowledge Associate, managed a team of 30 interns in order to ensure the procurement of quality educational content.
* GRE Score: 328/340. TOEFL Score: 112/120.