

NIDHI RAVISHANKAR

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EDUCATION

UCLA – ANDERSON SCHOOL OF MANAGEMENT

Los Angeles, CA

Master of Science in Business Analytics (MSBA)

Expected December 2023

- **Coursework:** Advanced Machine Learning, Predictive Modeling, Database Management, Optimization, Statistical Modeling

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE (BITS), PILANI

Goa, India

Bachelor of Engineering in Computer Science, Master of Science in Economics (Dual Degree)

July 2021

- **CGPA:** 9.36/10.00 (Department Rank: 1)
- **Coursework:** Data Structures and Algorithms, Machine Learning, Neural Networks, Derivatives and Risk Management, Data Mining
- **BITS Pilani Merit Scholarship:** Recipient for seven consecutive semesters - 100% tuition fee waiver, awarded to top 1% (top 6/650) of the batch based on GPA, for the most recent semester and 40% waiver (top 3% - 18/650) for the 6 previous semesters
- **NTSE Scholarship:** Top 0.1 % of applicants (1000/1M) based on the National Talent Search Examination, Govt. of India
- **Leadership:** Co-founder and coordinator– BITS Goa Women in Tech ([link](#)), Core Committee - BITS Goa Film and Dramatics Club

TECHNICAL SKILLS

Data Science Skills: Machine Learning, Big Data, Natural Language Processing, Neural Networks, Time Series Analysis

Tools and Software: Python, R, SQL, Tableau, C++, Java, Apache Spark, AWS, Advanced Microsoft Excel, Microsoft PowerPoint

PROFESSIONAL EXPERIENCE

DALBERG GLOBAL DEVELOPMENT ADVISORS (Management Consulting)

Mumbai, India

Analyst (0.3% applicant acceptance rate)

July '21 - May '22

- Formulated the **business strategy** for a federal government client (International Solar Alliance - ISA), to increase their global reach by **200% in 3 years**. Identified white spaces and growth areas in the clean energy sector through competitor and trend analysis.
- Crafted the **funding strategy** for ISA, designed **incisive proposals** based on ISA's programs and vision, and market demands. Implemented this strategy and secured **\$100M** of funding for ISA from governments and philanthropies, within the first 7 months.

AMAZON

Bangalore, India

Machine Learning (Applied Scientist) Intern, India Machine Learning Group.

Jan '21 – July '21

- Constructed an **ML framework** using Python, PySpark, and SQL scripts to create **adaptive Amazon Prime offers** based on the shopping behaviour of targeted users. Increased the predicted conversion rate to paid Prime subscriptions by **8%**.
- Automated this workflow using AI workbench (Amazon machine learning platform) and **AWS technologies** (S3, EMR, EC2, sagemaker), to create an **autoML pipeline** that could be productionized directly for **increased efficiency**.

AMAZON

Hyderabad, India

Machine Learning (Applied Scientist) Intern, Last Mile Sciences Group

Aug '20 – Dec '20

- Identified **non-viable delivery routes** by building **machine learning classification models** (Random Forest, XGBoost, LSTM), using Python. Improved accuracy by **8%** compared to the previously used linear models.
- Worked on several aspects of this problem including feature engineering and hypotheses testing, to **identify the optimal set of features** that could be used to correctly classify these delivery routes.
- Led to strategy changes that were expected to reduce delivery delays by **5%** and delivery partner attrition by **30%**.

RESEARCH PUBLICATIONS AND HACKATHONS

AMAZON x UCLA Hackathon – Finalist (one of four qualifying teams out of 100 participants)

Sep '22

- Built a recommendation system using word2vec, frequent product mapping, and cosine similarity in Python to recommend products for increased conversions and average order value.
- Developed and presented a business proposal for a new product feature to technical shareholders at Amazon.

Research Publication in GENDER ISSUES (Scopus Indexed, Peer-reviewed International Journal)

May '21

- Analyzed (using the scikit-learn and statsmodels python libraries) household-level panel data on women autonomy to study the impact of women-centric policies in India. OLS regression and ANOVA models were used.
- Link to the paper: [Impact of Public Policy and Legislation on Autonomy and Empowerment of Women in India](#)

SOCIAL IMPACT AND EXTRACURRICULARS

- **Non-Profit Organization** (Key Education Foundation): Conducted teacher training programs for skill-building (language, child Psychology, communication) in teachers from low-income schools.
- **Low Income Public School** (Anjanadri government high school): Trained and mentored Below Poverty Line students in spoken and written English, including how to introduce themselves, read and understand stories, and have simple conversations.
- **Acting and Theatre:** Played the female lead in 8 hour-long plays, performed at two national level theatre festivals.
- **Indian Classical Dance** (Bharatnatyam): Trained for 10 years, 'Graded Artist' of All-India TV on clearing the national audition.
- **Indian Classical Music** (Carnatic): Trained for 12 years, received the highest grade at the state-wide graduate-level music exam.
- **Creative Writing:** Recipient of the state -level 'Kalashree' writing award, published short story on winning HP's national contest.