

MUDIT UPPAL

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EXPERIENCE

Mercedes Benz R&D (San Francisco Bay area, CA)	ENGINEER INTERN (DATASCIENCE/ML)	02/2017 – Present
	Data science and Engineering for MLPUX team, data logging pipelines, user interaction and Telematics. Data Analysis Daimler: user segmentation and Machine learning for promotions and sales	
Insight Data Science (Palo Alto, CA)	DATA SCIENCE FELLOWSHIP	06/2016 – 09/2016
	Real time ad bidding framework – A 14 node distributed Demand Side platform on AWS for advertisers used with Ad Exchanges like Google Adx and AppNexus. Uses efficient sampling algorithms and machine learning to re-target users, predict bid price & handle up to 2 million requests/sec(with sub-second response time: 100 ms) & increase ROI.	
HPCC(CUNY) (New York, NY)	DATA RESEARCH ANALYST	04/2016 – 01/2017
	Data research analysis and engineering : Building/ETL ~19 TB data warehouse(Redshift) from user logs and ad-hoc geo-spatial analysis for people's movement patterns affecting Road pricing and taxes and for urban planning in the city of New York.	
Planetary/Fusion Network, LLC (New York, NY)	DATA SCIENTIST	11/2015 – 04/2016
	Created a recommendation engine and a slack-bot which recommends posts to publish on social media by analyzing user behavior data & segmentation from fb Ad Network data dumps. Increased click thru rate to website by 28%[python, scipy-stats, pandas, sql]	
Sapient Co/Second Story (Portland, OR)	SOFTWARE & PRODUCT DEV INTERN	06/2014 – 09/2014
	Worked with designers, engineers, and architects to work on interactive user-oriented projects including interactive touch table[C++, Python, kinect, DMX] and prototyping IoT wearable devices for use in conferences [Galileo, Python, C++, LINUX]	
Wieden+Kennedy (New Delhi, IN)	DATA VISUALIZATION ENGINEER	08/2012 – 03/2013
	Worked on a data visualization project with designers and managers to analyze and visualize flight data & patterns in real-time.	

EDUCATION

City University of New York	M.S. LARGE SCALE DATA ANALYSIS	07/2015 – 05/2016
	Data Analytics and Management of Large Scale Data with focus on statistical inference, Big Data Management, Marketing analytics, Machine Learning and Data Mining. Includes real case business analytics with focus on linear & Integer optimization techniques and demand supply problems.	
University of California Santa Barbara	M.S. HCI/CLOUD COMPUTING	08/2013 – 06/2015
	Cloud computing and Human-computer Interaction with emphasis in the field of Data Science, Visualization & Software Development.	
University of California Santa Barbara	TECHNOLOGY MGMT PROGRAM	01/2014 – 06/2015
	Gained an in-depth knowledge and understanding of entrepreneurial and business practices in global technology-based companies with focus on Marketing, Analytics, Product Development, Finance, Business strategy, and entrepreneurship. Started 2 companies.	
Jaypee Institute of Information Technology (India)	B.TECH. COMPUTER SCIENCE/IT	07/2008 – 06/2012
	B.Tech 4-year degree in Computer Science/Information Technology Engineering with emphasis on Human-Computer Interaction, Hardware and Audio.	

SKILLSET

LANGUAGES

PYTHON, JAVA, SQL, BASH, JAVASCRIPT, D3.JS, NODEJS, R

SKILLS

AWS, MACHINE LEARNING, LINUX, ADMINISTRATION, HADOOP, APACHE ECOSYSTEM(SPARK, STORM) NOSQL, MYSQL, DW, DOCKER, BUSINESS INTELLIGENCE, GIT, DATA VISUALIZATION, PANDAS, TABLEAU, IOT/HARDWARE PROTOTYPING, PHYSICAL COMPUTING, UX, BUSINESS STRATEGY

TEACHING

University of
California Santa
Barbara
Fall 2014
Spring 2014
Winter 2015

CS 180- Computer Graphics: Teaching Assistant for Upper division (senior) course with topics on Computer Graphics, C++ and OPENGL

CS 40- Foundations of Comp Science: Lower division CS course with focus on propositional and predicate logic, set theory, functions, mathematical induction and recursion

CS 16- Problem Solving C++ : TA for intermediate C++ course (linkedLists, classes, functions), bash, compilers, OS, make, software dev principles, Linux/Unix, emacs.

AWARDS AND ACHIEVEMENTS

- 12/2014 – 05/2015 TECHNICAL REVIEWER– ‘INTERNET OF THINGS WITH INTEL GALILEO’ BOOK – PACKT PUBLISHING
11/2014 ‘START-UP WEEKEND SANTA BARBARA’
SUCCESSFULLY LAUNCHED AND WON ‘BEST MVP’-- A NEW STARTUP (www.laundrypals.co) AND ENTERED THE GLOBAL STARTUP BATTLE.
- 01/2014 – 07/2016 COMPLETED MULTIPLE ONLINE CERTIFICATIONS FROM COURSERA/EDX IN DATA SCIENCE, OPERATIONAL, BUSINESS AND PREDICTIVE ANALYTICS, AGILE SOFTWARE PRACTICES.
- 07/2014 WINNER - FIRST PLACE – GOOGLE I/O 3-DAY HACKATHON SANTA BARBARA: WEB + MOBILE (IOS AND ANDROID) APP TO CREATE A SOCIAL NETWORK FOR CLEANING STREETS AND PICKING TRASH
- 01/2014 – 04/2016 EVENT MANAGEMENT & VOLUNTEERING FOR MULTIPLE CONFERENCES AND FESTIVAL INCLUDING MLCONF(NY), DATA ENGG CONF(NY), PGCONF(NY), EYEO DATA VIZ CONF.
- 04/2011 – CURRENT COMPLETED SIGNATURE TRACK CERTIFICATION WITH COURSERA/UDACITY IN DATA SCIENCE, ANDROID MOBILE DEVELOPMENT (3), CREATIVE PROGRAMMING, ELECTRONICS ET CETERA
- 02/2009 – 08/2013 ‘UDAYAN CARE’ - INDIA -- ACTIVE WEEKLY VOLUNTEERING AND TEACHING SCHOOL COURSES AT AN ORPHANAGE HOME (NGO), WITH 17 KIDS AGE 7-14
- 04/2008 – 07/2013 PROFESSIONALLY CERTIFIED GUITARIST BY TRINITY ROCKSCHOOL, LONDON WITH TRAINING UNDER SONAM SHERPA. GRADE 2(TOPPED IN STATE) – GRADE 6
- 01/2009 – 01/2010 COORDINATED AND ORGANIZED EVENTS FOR ANNUAL COLLEGE FESTIVAL, JIVE, 2009 AND 2010 MANAGEMENT OF ALL MONTHLY COLLEGE GIGS AND 'ACOUSTIC NIGHTS'.