

Abhinav Kulkarni

San Francisco, CA, United States | Approved H1-B & I-140
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WORK EXPERIENCE	JKStream.com, Frontend & Backend			Remote
	<i>Founder</i>			August 2020 – current
	<ul style="list-style-type: none">Ideated & built a novel way of consuming podcast audio content - by subscribing to popular personalities and guests.Keywords: NLP, Microservices, Web Crawling, Flutter			
	Cruise Automation, Perception Team			San Francisco, CA
	<i>Senior Machine Learning Engineer</i>			January 2020 – August 2020
	<ul style="list-style-type: none">Left at the onset of COVID-19			
	Zillow Group (Zillow), Document Understanding Team			San Francisco, CA
	<i>Senior Applied Scientist</i>			June 2019 – January 2020
	<ul style="list-style-type: none">Contributed to the early stages of document understanding project for real estate transaction documents and helped prototype POC.Keywords: OCR, NLP			
	Zillow Group (Trulia), Applied Science (AI) Team			San Francisco, CA
	<i>Senior Applied Scientist</i>			July 2013 – June 2019
	<ul style="list-style-type: none">As one of the founding members of Trulia’s Applied Science team, I have been involved in designing & deploying algorithms that power Trulia’s real time recommendation systems by analyzing user behavior, real estate, neighborhood and local amenities data. Trulia uses classical Machine Learning as well as Deep Learning techniques to power these systems.These systems have powered Trulia’s multiple communication channels (desktop web, email, mobile app, push notifications, etc.) as well as SEO.Designed and implemented distributed, scalable user feature stores & related data communication channels to serve real time recommendations in AWS.Detecting spam and fraud on the website. [2]Keywords: Search, Ranking, Recommendation			
	Microsoft Corporation, Search Technology Center			Hyderabad, India
	<i>Software Development Engineer</i>			October 2009 – August 2011
	<ul style="list-style-type: none">Contributed to improving relevance of location queries by mining data from local sites.Incorporated offline-computed geospecific popularity of websites in search engine ranker.			
SKILLS	Languages: Python, Java, C++ ³ Libraries & Frameworks: scikit-learn, PyTorch Hadoop, PySpark, Storm, Redis, Solr AWS — EMR, Datapipeline, SQS, Kinesis, SNS, DynamoDB			
KEYWORDS	Machine Learning, Artificial Intelligence, Deep Learning Big Data, Scalable & Reliable Systems			
EDUCATION	University of California, Irvine , MS, CS, 3.81/4.0			2011 – 2013
	National Institute of Technology, Tiruchirapalli, India , BTech, CS, 8.34/10.0			2005 – 2009
TEACHING EXPERIENCE	Teaching Assistant			Winter 2013, UC Irvine
	<ul style="list-style-type: none">ICS 31: Introduction to Programming: Conducted lab sessions for Python programming.INF 133: User Interaction Software: Grader for student Android projects.			
GRADUATE COURSEWORK	Machine Learning	Probabilistic Learning	Probabilistic Graphical Models	
	Statistical Computing	Intermediate Statistics I & II	Statistical Methodology I & II	
	Bayesian Statistics	Information Retrieval	Principles of Data Management	
	Data Structures	Computer Architecture		
AWARDS	Team mentioned in the special meritorious list of ACM ICPC 2008, South Asia Region.			

Patents

- [1] S. Rawat, J. McConathy, T. Holloway, S. Gopalakrishnan, and A. Kulkarni, *Automatic updating of real estate database*, US Patent 10,430,902, Oct. 2019.
- [2] J. Kong, A. Kulkarni, and T. Holloway, *Automatic detection of fraudulent real estate listings*, US Patent 9,990,639, Jun. 2018.

³ Beginner/Rusty ⁴ Intermediate