HERSH PATEL

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Education	**RUTGERS UNIVERSITY**	*New Brunswick, NJ*
	Bachelor of Science in Computer Science and Economics, **Minor** in Mathematics	*Sept. 2015 – May 2019*
	Certification in Quantitative Economics, School of Arts and Sciences **Honors Program**	
	Coursework: Data Structures, Data Science in R, Computer Architecture, Calculus III	
	Cumulative GPA: **3.74/4.00**, Major GPA: **3.89/4.00**	

Professional Experience	**NBCUniversal** | *Big Data Analyst Intern*	*Englewood Cliffs, NJ*
		June 2016 – Aug. 2016
	• Forecasted Fandango Media's customer transactions and business operations by analyzing KPIs developed with Hive, Spark, and Excel in a series of presentations	
	• Performed efficiency analysis of the Amazon S3 Cloud to download files to the Hadoop Distributed File System using UNIX and Amazon Web Services	
	• Utilized Hadoop, Hive, and UNIX to profile and administer transactional and log data from Fandango Media for the Fandango and PwC Consulting Teams	
	Freelance Website & Application Developer | *Developer and Designer*	*East Brunswick, NJ*
		Sept. 2011 – Present
	• Launched websites and mobile applications for local organizations and businesses to enhance their presence in the community and improve product marketability	
	• *Projects*: TED^{x}Rutgers (Web), Event Attendance Tracker (iOS), Find My Ride (iOS), AmpliFire Entertainment (Web), EB Model United Nations (Web), Blackjack (Java)	
	ZK Technology | *Technology Intern*	*Piscataway, NJ*
		June 2013 – Aug. 2013
	• Built a shipping rate calculator utilizing JavaScript and information from FedEx, UPS, and DHL to save the company almost $5,000 from miscalculated shipping costs	
	• Analyzed and visualized purchasing trends of customers using Microsoft Excel and PowerPoint to provide business intelligence and maximize customer satisfaction	

Leadership Activities	**TED^{x}Rutgers** | *Vice President* | *Technology Director*	*New Brunswick, NJ*
		Dec. 2015 – Present
	• Coordinated with teams and organizations regarding event logistics by creating and managing sub-committees to allocate specific responsibilities	
	• Managed all technology related needs, including website development, live feeds, stage lighting, audiovisual systems, and photography, for university wide events	
	IEEE | *Machine Learning Team*	*New Brunswick, NJ*
		Sept. 2015 – Present
	• Interpreted datasets from Kaggle by writing mathematical functions in Python with the use of data analysis libraries such as Anacondas, Pandas, and NumPy	
	• Discovered stories from datasets by examining decision tree models and permutation tests developed through the Random Forest, rpart, and MASS libraries in R	
	Undergraduate Student Alliance of Computer Scientists | *Peer Mentor*	*New Brunswick, NJ*
		Sept. 2015 – Present
	• Presented a series of tech talks on website development (HTML, CSS, Bootstrap)	
	• Mentored underclassmen students in classes, projects, and professional development	
	• Attended various Hackathons (PennApps, HackNY, BigRed//Hacks, HackRU)	
	Delta Sigma Pi – Professional Business Fraternity | *Professional Committee*	*New Brunswick, NJ*
		Feb. 2016 – Present
	• Executed networking sessions with Fortune 500 Companies for over 100 members	
	• Educated new members about professionalism and relevant business topics such as Networking, Accountability, Communication, Big Data, and Investment Banking	
	• Pitched ten stocks worth $100,000 for a 401k retirement fund spanning 30 years	
	BAPS Charities | *Regional Core Team Lead*	*Edison, NJ*
		Sept. 2011 – Present
	• Cultivated a team of 18 members in charge of leading annual regional conventions which host over 3,000 delegates and 300 volunteers	
	• Completed over 1,000 hours of community service in a period of 4 years	

Skills & Interests	**Programming:** *Proficient* Java, C, Python, R, SQL, HTML, CSS, UNIX; *Familiar* JavaScript, Swift, IA-32, Stata
	Other: *Proficient* Hadoop, Hive, Eclipse, Bootstrap; *Familiar* Spark, Amazon S3, Pandas, NumPy, Jupyter Notebook
	Communication: *Native* English, Gujarati; *Working Proficiency* Spanish
	Interests: Traveling, Kickstarter, Running, Photography, Scenic Driving, Kite Flying, Volunteering

Distinctions	1st Place – Global Communications Innovation Project	*2016* | *NBCUniversal MediaTech Program*
	Finalist – Google Case Competition	*2015* | *Google Community Leaders Program*
	Plenary Speaker – United Nations Headquarters	*2015* | *National Model United Nations*