SAAHIL JAIN

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EDUCATION:

Columbia University, The Fu Foundation School of Engineering and Applied Science, New York, NY   Expected May 2018

GPA: 3.96/4.00, BS in Computer Science, Minor in Economics, Dean's List, Tau Beta Pi Engineering Honors Society

Highlighted Coursework: Machine Learning, Cloud Computing / Big Data, Algos, Databases, Applied Math courses

Business Coursework: Econometrics, Accounting and Finance, Intermediate Macro / Micro

University School of Nova Southeastern University (High School), **Valedictorian**   May 2014

EXPERIENCE:

IBM Extreme Blue, Research Triangle Park, North Carolina | *Extreme Blue Technical Intern*   May 2017 – August 2017

Product Management Experience
- Designed and implemented a 'moonshot' product that uses machine learning to extract high-level business insights from API data for IBM API Connect, a leading API Management platform, with a team of 4
- Conducted customer interviews to identify user pain points, and performed market analyses to guide development
- Pitched to senior executives every week, and presented insights at company expo at IBM headquarters in Armonk, NY

Software Engineering Experience
- Leveraged forecasting techniques for predictions, neural networks for sequence identification, and clustering for user segmentation on time series data; Submitted 4 invention disclosures related to machine learning on API data

Tatonetti Lab (Bioinformatics), Columbia Medical Center | *Product Development Researcher*   January 2017 – May 2017
- Researched and evaluated various database solutions for the Biomedical Data Translator Project, a National Institute of Health project spanning 11 institutions including Columbia Medical Center; Drafted product specifications
- Wrote reports on healthcare data mining, including mining FDA adverse drug events to find harmful drug combinations

Société Générale Corporate and Investment Bank, New York, NY | *Software Engineering Intern*   June 2016 – August 2016
- Automated quality assurance tests on the trading platform as part of interest rate swaps team in front office technology
- Presented revamped testing automation framework to technology teams in New York and Paris

Wireless and Mobile Networking Lab, Columbia University | *Undergraduate Researcher*   September 2015 – June 2016
- Created a GUI to visualize the discovery algorithm driving interactions between low-power, energy harvesting devices

ListenMD, Davie, Florida | *Technology & Business Intern*   July 2015 – August 2015
- Implemented features for mobile medical startup; Performed market research on accountable health care organizations

FEATURED PROJECTS:

Ask Alma   January 2017 – May 2017
- Led team of 4 to develop a Quora-like community forum for Columbia students / faculty. Defined project scope / requirements. Implemented automatic tagging with Watson and personalized topic recommendations with neural net.

Power-Aware Neighbor Discovery for Energy Harvesting Things, Columbia University   September 2015 – June 2016
- Co-authored publication accepted to ACM SenSys'16, a leading conference on sensor networks at Stanford. Created monitoring system to visualize and analyze a network of energy harvesting devices in real-time using Python.

Nursing Home Lighting Enhancement   September 2014 – January 2015
- Programmed an Arduino to alter indoor lighting based on ambient light to improve the sleep quality of elderly residents at a nursing home (backed by research documenting impact of lighting systems on sleep-wake cycles).

LEADERSHIP:

Emerging Scholars Program, Columbia University | *Course Instructor*   September 2016 – Present
- Plan and lead group seminar lessons on select fields in computer science, such as AI and human-computer interaction

Columbia Energy Club | *Co-President, Former Head of Research Division*   April 2015 – Present
- Organize events showcasing researchers and experts in the energy field for the Columbia community; Head recruiting

SKILLS:

Programming Languages: Java, Python, C, C# (intermediate), C++ (intermediate), **Frameworks and Skills:** Django, Rails, HTML / CSS, Amazon Web Services, Bluemix, SQL, Excel, **Languages:** English, Hindi (intermediate)