Namit Juneja

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EXPERIENCE

Zeblok, New York City — *Data Scientist*

May 2018 - September, 2018

• Developed statistical models to analyze gait (walking) characteristics of a patient such as cadence, asymmetry, velocity etc.
• Developed machine learning algorithms to accurately determine muscle characteristics of patients based on foot plantar sensor data.
• Implemented methods to help doctors create digital biomarkers to detect human gait anomalies such as gait freeze etc.

Knowlarity Communications, New Delhi — *Data Engineer*

Software Engineering Intern: December 2016 - June 2017
Software Engineer: July 2017 - May 2018

• Used machine learning to predict customer usage patterns and use that data to optimize user experience.
• Developed real time data aggregation pipelines using Apache Spark to generate useful insights for users.
• Developed a machine learning solution to accurately assign keywords to the text generated by the speech recognition system for better search and indexing capabilities.

Sloopstream, New Delhi— *Co-founder*

June 2017 - Present

• Developed a device for retail stores that uses computer vision and machine learning to analyze the behavior of people in an open space and help maximize sales and customer outreach.
• Winner of the Global Demo Day, San Francisco and currently deployed at 30+ stores across New Delhi.

Educatrium Ventures, Shanghai — *Software Engineering Intern*

June 2016 - August 2016

• Developed an end to end adaptive testing platform for chinese students to prepare for the SAT examination. Currently being used by over 200,000 students across China.
• Designed algorithms to analyze student performance in order to personalize curriculum and other teaching resources.

SELECTED RESEARCH

Stanford Crowd Research

• Developed a self governed crowdsourcing marketplace designed to amplify trust in crowd work.
• Proposed and developed algorithms to create an automatic system that generates a predictive hourly rate for workers.

Acknowledged contributor in the following research papers:
• ***"Crowd Guilds: Worker-led Reputation and Feedback on Crowdsourcing Platforms", ACM Conference on Computer-Supported Cooperative Work And Social Computing, USA, 2017***
• ***"Boomerang: Rebounding the Consequences of Reputation Feedback on Crowdsourcing Platforms", User Interface Software and Technology Symposium, Japan, 2016***

SKILLS

Programming Languages

Python, Java, C, SQL, JavaScript

Tools
PyTorch, TensorFlow, NumPy, Pandas
Linux, Git, Redis, MySQL, OpenCV, Matlab

EDUCATION

University at Buffalo, Buffalo — *MS, PhD*
September 2018 - *Present*
Expected: May 2023

GPA: 3.58/4

VIT University, Vellore, India — *Bachelor of Technology*
July 2013 - May 2017

Major: Electronics and Communication Engineering
GPA: 8.61/10

AWARDS & ACHIEVEMENTS

Winner Bloomberg CodeCon at University at Buffalo, 2018

Chancellor's Special Achiever's Award at VIT University, 2016 & 2017

Grand Prize Winner at AngelHack, Jaipur, 2016

Top 10 / 1300 and 2-Sigma Sponsor Award at PennApps XIII (University of Pennsylvania), 2016

Top 15 / 1200 and Best Data Visualization Award at PennApps XIV (University of Pennsylvania), 2017

Best IoT Hack at HackMIT (Massachusetts Institute of Technology), 2016

International Award for Young People by The Duke of Edinburgh's International Award Foundation, 2016