Preetom Chakraborty

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Experience

PRODUCT MANAGER 2, MICROSOFT; BELLEVUE, WA – 2018-PRESENT

- Product owner for the Bing QnA feature, working across engineering, design, and UX to save Bing users time by finding the best snippet from the web to answer user queries

- Shipped multiple iterations of deep learning question answering models, doubling feature coverage and leading feature to #1 overall on org-wide product metric against competitors

- Helped ship QnA in non-English markets for the first time, bringing coverage on user queries from 0 to 24% across multiple shipments with quality on par with competitors

- Led a cross-team effort to ship first version of a web-scale recommendation system to recommend web documents to users based on their search history and popular results

- Drove redefinition and implementation of internal offline QnA evaluation metrics using human labelers to better capture product gaps and ensure product quality

- Created and managed team-wide process to collect customer feedback and built dashboards to identify areas for product improvement and track key metrics over time

RESEARCH ASSISTANT, UNIVERSITY OF MICHIGAN; ANN ARBOR, MI – 2017-2018

- Implemented a Python program to identify the highest performing individual members from teams of employees using statistical models based on team data

- Created a web app and API using Flask and React that allowed clients to explore results through an interactive dashboard to improve the accuracy of team evaluations

SOFTWARE ENGINEER, SOAR TECHNOLOGY; ANN ARBOR, MI – 2016-2017

- Worked full time during the summer and part time during my final year of college

- Created a web catalog with Django and Backbone.js for different virtual machine configurations, reducing time required to set up virtual machine environments by 75%

- Built a full stack application for concurrently monitoring the real-time status and data coming from several drones to better anticipate issues and improve error handling

Education

University of Michigan – M.S. Computer Science, 2018

Graduate coursework in NLP, parallel computing, and machine learning

University of Michigan – B.S. Computer Science, 2017

Skills

Programming: Python, JavaScript, HTML/CSS, C++

Tools: Flask, Pandas, React.js, NumPy, jQuery, Bootstrap, Django