

# Prateeksha Singh


A software engineer with 4+ years of work on open-source, full-stack and B2B, and on getting actionable insights from data. Frappe Charts author. Devconf speaker. Currently a Grad student focussing on AI and data. [pratu16x7.com](https://pratu16x7.com)

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## EXPERIENCE

### JioHaptik (Reliance), Mumbai — *Software Engineer*

NOVEMBER 2019 - JULY 2021, <https://haptik.ai/>

- Worked on the Haptik conversational AI assistant building platform that parses user queries and generates responses based on sentence similarity models, using Python and Elasticsearch
- Built AI Recommendations (making chatbot auto-learn from its mistakes), Smart Funnels (tracking user flow breaks), Dashboard and Custom Reporting for the Analytics 2.0 product.

### ERPNext (Frappe Tech), Mumbai — *Engineering Lead*

OCTOBER 2016 - MARCH 2019, <https://github.com/erpnext>

- Core maintainer for the ERPNext and Frappe repositories.
- Developed modules ([Setup Module](#), [Desk v2.0](#), [Frappe Charts](#), [Global Search](#), in-app [Marketplace](#)) for full stack web framework Frappe.
- Created PoCs for technologies and standards: migration to Python 3, ES6, VueJS and improved test coverage for CI. Built low-friction UXs.
- Reviewed community code contributions. Led a live coding session at the [ERPNext Conference, 2017](#) (Mumbai) to foster them.

## PROJECTS

### • Frappe Charts — *Author*

JS/SVG zero-dep web charting library: [github.com/frappe/charts](https://github.com/frappe/charts)  
Over 14000 stars on GitHub. Featured in [GitHub's Octoverse 2018](#).  
450+ points on [HackerNews](#). Blogs on the [making](#) and [docs](#).  
Talks at [Redhat Devconf'19](#) and [HasGeek JsFoo'19](#).

- [A Pacman Game](#) on the console interface
- [Motion-tracker](#) interfacing OpenCV and Arduino

## PAPERS

- [Solving](#) a patterned multi-polyomino packing puzzle
- [Automating Motivation-driven Learning for Students Charting for the Modern Web](#) (ppt)
- [AR piano model](#) in MATLAB, BE Final Year, IJEA March'16, Issue 3

## SKILLS

### Programming Languages:

Python, Javascript, bash

**Technologies:** git, Django, REST APIs, Elasticsearch, AWS, MySQL, Tensorflow, Redis, Vuejs, React, Node.js, HTML, CSS

## AFFILIATIONS

ERPNext Open Source

Software Foundation

<https://erpnext.org>

Linux User's Group

[www.ilug-bom.org.in](http://www.ilug-bom.org.in)

Computer Society of India

<http://www.csi-india.org/>

## EDUCATION

**MS in Artificial Intelligence:**

University at Buffalo, SUNY

Aug '21 – Present

**BE in Computer Science**

Mumbai University

8.04/10 CGPA

Aug '12 – Jun '16

## MORE PERSONAL PROJECTS

[The Belief of Systems](#),  
[flattenable paper models](#),  
[a tiny journaling script](#),  
[blogs](#), [graphics](#),  
and [amateur electronics](#)