

# Devashish Nyati

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## Education

**San Jose State University**, San Jose – CA, USA

Expected May 2020

*Master's in Software Engineering*

Cumulative GPA: 3.6/4.00 (Present)

Related Coursework: Enterprise Distributed Systems, System Designing, Data Mining, Large Scale Analytics, Human-Computer Interaction, Web UI Development, Machine Learning, Software Platforms, Cloud Technologies.

**Symbiosis International University**, Pune – Maharashtra, India

August 2013 - May 2017

*Bachelor's in Computer Science*

Related Coursework: Data Structures, Designing Algorithms, Object-Oriented Programming, Computer Networks.

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## Work Experience

**Enovix Corporation**, Fremont CA, US — *Software Engineer Intern*

May 2019 – October 2019

- Built 19 web applications from scratch to migrate traditional VBA excel uploaders to improve performance benchmarks. These tools were used across the organization by all the engineers and operators.
- Used regression machine learning algorithms to predict the life of a battery and outlier detection algorithms to detect defects in batteries. This saved waiting for 600 life cycles to finish.
- Designed databases with ETL and built data visualization and reporting tools to support test engineering, R&D.
- Hosted these tools on Microsoft IIS to increase the availability.
- Technologies: Git, Django, Python, REST, Microsoft IIS, Vue.js, Handsontable, MS SQL, MySQL, and Sklearn.

**Mediaocean**, Pune, India — *Associate Software Engineer*

July 2017 – July 2018

- Wrote 113 test cases and assisted in data transformation, quality, profiling, validation, and reconciliation.
  - Build a tool in MOHack to track the user flow using google tag manager. This tool helped product managers to see how the users were actually using the product.
  - Collaborated on the automation framework and increased the quality of the product (PRISMA).
  - Technologies: Selenium, Java, Git, JIRA, Confluence, Eclipse.
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## Project Work [\(Click Here\)](#)

### Medium Stories- Analysis and Predictions

- The project was aimed to help the user write posts on Medium. The program assisted by predicting the next word and insights like tags, reading time, number of claps the article is going to get.
- NLP, Recursive Neural Network, Multivariate Regression, Random Forest, Naïve Bayes were used.
- Technologies: Django, JavaScript, HTML, CSS, Channels, PickleDB, Sklearn, TensorFlow, Keras, and NLTK.

### Multi-Party Computing for Hospitals

- The project was aimed to create a web-based full-stack app for secure analysis of the hospital's data.
  - Concepts of multi-party computation and time series forecasting were used to preserve the private data.
  - Technologies: Flask, ReactJS, RabbitMQ, Celery, MongoDB.
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## Skills and Tools

**Programming Languages** Python, JavaScript, C++, Java.

**Databases** Relational (MySQL, MS SQL), Non-relational (Redis, MongoDB).

**Tools & Platforms** Git, JIRA, AWS, Docker, Django, Django-rest, Flask, Vue.js, REST, Microsoft IIS, Excel.

**Data Science** Tableau, Hadoop, Spark, NumPy, Pandas, TensorFlow, Keras, Pytorch, Sklearn.

**Other Skills** User Experience Designing, Product Management, Research, Communication Skills, HCI.

**Online Courses** AWS Certified Solutions Architect – Udemy, Docker Mastery – Udemy.

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## Other Achievements

- Soccer captain of Symbiosis International University for the year 2016-2017.
- All India Rank 9 for National Creativity Aptitude Test (NCAT) for the year 2014. [\(Click Here\)](#)
- Own musical channels on [YouTube](#) and [Instagram](#).