

# Devashish Nyati

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<https://devashishnyati.github.io/> | San Jose, CA

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## Education

### Master of Science in Software Engineering

San Jose State University, San Jose – CA, USA

Expected May 2020

Cumulative GPA: 3.7/4.0

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

### Bachelor of Technology in Computer Science

Symbiosis International University, Pune – Maharashtra, India

May 2017

Related Coursework: Data Structures and Algorithms, Object-Oriented Programming, Computer Networks, Operating Systems.

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## Work Experience

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

May 2019 – October 2019

- Developed 19 web applications from scratch to migrate traditional VBA excel uploaders to improve performance benchmarks. These tools were operated across complete organization by all engineers and operators.
- Explored regression machine learning algorithms to predict battery lifespan and outlier detection algorithms to detect defects in batteries which saved waiting for 600 life cycles to finish.
- Designed databases with ETL and engineered data visualization and reporting tools to support test engineering, R&D.
- Hosted these tools on Microsoft IIS to increase 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.
  - Orchestrated a tool in MOHack to track user flow leveraging google tag manager. The innovative tool helped product managers to see how users were operating the product.
  - Collaborated on automation framework and increased quality of the product (PRISMA).
  - Technologies: Selenium, Java, Git, JIRA, Confluence, Eclipse, Jenkins.
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## Academic Projects

### Medium Stories- Analysis and Predictions

- The project was aimed to help users write posts on Medium. The program assisted by predicting next words, insights, tags, reading time, and number of claps articles are going to get.
- Integrated NLP, Recursive Neural Network, Multivariate Regression, Random Forest, and Naïve Bayes algorithms.
- Collaborated with 3 students to create a full stack application using Django with web sockets for next word predictions.
- 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 hospital data.
- Managed a team of 4 to integrate concepts of multi-party computation and time series forecasting to preserve data.
- Technologies: Flask, ReactJS, RabbitMQ, Celery, MongoDB, React.js.

### Spartan Messenger App

- Project aimed to develop a Spartan Messenger with GRPC in Python3. Devised gRPC response streaming to receive chat messages from Spartan server.
  - Designed a messaging queue similar to Apache Kafka to store messages and an LRU cache to retrieve messages fast.
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## Skills and Specializations

**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, React, Apache Kafka, REST, Microsoft IIS.

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

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

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## Other Achievements

- Soccer captain of Symbiosis International University for year 2016-2017. Enhanced leadership skills.
- All India Rank 9 for National Creativity Aptitude Test (NCAT) for year 2014. Gained analytical skills.