

Nikhil Vytla

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EDUCATION

UNC - CHAPEL HILL

B.S. IN COMPUTER SCIENCE

B.S. IN STATISTICS AND ANALYTICS

August 2018 - May 2021 (Expected)

Chapel Hill, NC

Chancellor's Carolina Scholar

Honors Carolina

Cum. GPA: 3.7 / 4.0

Major GPA: 3.8 / 4.0

LYNBROOK HIGH SCHOOL

Grad. June 2018 | San Jose, CA

Cum. GPA: 4.37 / 4.0

LINKS

Personal:// nvytla

Github:// Lolz1243

Devpost:// Lolz1243

LinkedIn:// nikhil-vytla

Live Projects:

MedicAi

Markt

COURSEWORK

UNDERGRADUATE

Completed:

Computer Organization

Data Structures

Linear Algebra

In Progress:

Artificial Intelligence

Algorithms and Analysis

Models of Lang. and Comp.

Computer Security

SKILLS

PROGRAMMING

Experienced:

Java • Python • JS/HTML/CSS • Git

MATLAB • Ruby on Rails • Tableau

TensorFlow • ELK Stack • SQL

Proficient:

Swift • Flask • Flutter • Android

React.js • Node.js • Unity3D/C#

Currently Experimenting:

Tensorflow • C • D3.js

Processing.js • R

Languages (Fluent):

English • Spanish • Telugu

EXPERIENCE

FIDELITY INVESTMENTS | SOFTWARE ENGINEERING INTERN

May 2019 - Present | Durham, NC

- Created Lightweight Container (LWC) RESTful API using **Java**, **Tableau**, and **SQL** for data analytics tracking 30 million+ customers' transactions at 4-6 TPS.
- Developed custom metrics dashboard using **Splunk API** to measure efficiency of multiple high-throughput, core-facing APIs, optimizing pipeline by **80%**.
- Applied reinforcement learning w/**Keras** (DQN) to predict transaction behavior.

HACKNC | DIRECTOR OF LOGISTICS

Aug 2018 - Present | Chapel Hill, NC

- Designed full stack web application and created **NLP** resume parser utilizing **Flask**, **Javascript**, **HTML5**, and **CSS3** for annual **700+** person hackathon.
- Increased user engagement by **35%** via HackNC workshops, introducing first-time hackers to 360° VR hardware and app dev. in React Native.

CS+SOCIAL GOOD | TECHNICAL PRODUCT MANAGER

Aug 2018 - Present | Chapel Hill, NC

- Led 20-person team to develop inventory CMS and mobile applications with **Vue.js**, **Node.js**, **Firebase**, and **Flutter** for nonprofit Carolina Cupboard and the Orange County Rape Crisis Center, boosting engagement by **50%**.

ONCLASS.ORG | CO-FOUNDER AND DIRECTOR OF OPERATIONS

March 2017 - Present | San Jose, CA

- Developed interactive website using **Javascript**, **HTML5**, and **CSS3** for 501(c)(3) K-12 **educational technology nonprofit Onclass**.
- Launched VR curriculum using **C#**, **Unity**, and **Google Daydream View** and implemented reading web application, online whiteboard, and video viewer with **Javascript**, increasing local child literacy rates by **70%**.
- **22,200+** unique students reached through physical and virtual tutoring partnerships with the City of San Jose and **Stanford d.school**.

SELECTED PROJECTS

DEVMATCH | RUBY, JAVASCRIPT, HTML5, CSS3/SASS

Feb 2018 - Sep 2018

Built DevMatch, a responsive Software as a Service (SaaS) web app which makes use of **Rails**, **Heroku**, **Bootstrap**, **AWS**, **PostgreSQL**, and the **Stripe API** to devise a custom, multi-tier social network for developers and entrepreneurs.

MARKT | JAVA, ANDROID STUDIO

Aug 2017 - Oct 2017

Created Markt, an app utilizing **Firebase**, the **Supermarket API** and two pathfinding algorithms, **TSP** and **A***, to determine the fastest grocery store routes.

AWARDS

2019	International	Forbes Under 30 Scholar
2019	Research Grant	Vibration-Based Gait Restraining Device (\$10,000)
2019	Finalist	Triangle Health Innovation Challenge (Top 5)
2018	Scholarship	Chancellor's Carolina Scholar (Merit-Based Full-Ride)
2018	Finalist	HackDuke & Carolina Data Challenge Health Track/Dataset
2017	National	National Merit Scholarship Finalist & National AP Scholar