Nikhil Vytla

onclass.org | cnikhil.vytla@gmail.com
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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: nikhil-vytla.github.io
Github:// nikhil-vytla
Devpost:// nikhil-vytla
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:
Keras • 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

Year	Type	Award
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