

## ABOUT ME

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## LANGUAGES

**English** - Fluent

**Gujarati** - Fluent

**Hindi** - Advanced

**Spanish** - Intermediate

## PROGRAMMING

**Python**

**Java**

**C++**

**JavaScript**

**Arduino**

**C**

**Assembly**

## WEB TECHNOLOGIES

**NodeJS**

**AWS**

**XML**

**MaterializeCSS**

**HTML,**

**CSS**

## DATABASES AND FRAMEWORKS

**PostgreSQL**

**OpenCV**

**SQLite3**

**Django**

**React Native**

## HOBBIES

**A Capella**

**Soccer**

**Basketball**

**Cello**

**Covers**

## VOLUNTEERING

**Liberty Science Center**

120+ Hours

Explain exhibits and answer questions visitors may have

**Piscataway Soccer Club**

30+ Hours

Guide teams to correct fields, collect player info and check safety equipment for players before entering the field

# ABHISHEK PATEL

## EDUCATION

**RUTGERS UNIVERSITY - NEW BRUNSWICK**

CLASS OF 2021

**BS in Computer Science and Mathematics**

Honors College

GPA: **3.89/4**

**MIDDLESEX COUNTY ACADEMY - HIGH SCHOOL**

**Emphasis on Electrical and Computer Engineering**

GPA: **4.32/4**

ACT: **36**

## WORK EXPERIENCE

### KNOWT

HEAD OF MOBILE DEVELOPMENT

FEB 2019 - PRESENT

- Startup which generates quizzes based on unstructured user notes
- Use TF-IDF values to decide which questions to create for a certain quiz
- Parse user notes into trees and use NLP clustering to generate new question types
- Lead development of React Native application for both iOS and Android
- Build rich text editor to enhance and simplify note-taking
- Create landing website at [getknowt.com](#)

### COLOSSUS MEDIA GROUP

SOFTWARE DEVELOPER

JUNE 2018 - PRESENT

- Use node.js and PostgreSQL to create backend for applications
- Design and implement UI using React Native, Android Studio and XCode
- Setup and manage databases on Linode Servers
- Meet with potential clients to decide budgets and necessary technologies
- Help clients collect and compute data for business plans to present to investors
- Meet with investors after project completion to receive necessary funding

## PROJECT EXPERIENCE

### CAMS

PYTHON, OPENCV, JETSON TK1, DLIB

MAR 2018 - JAN 2019

- Real-time monitoring and tracking of students using their walking paths and facial recognition
- Automatically take attendance for teachers, saving valuable class time
- [github.com/Messi10AP/CAMS](#)

### PAPERVISION

PYTHON, OPENCV, NUMPY, TURTLE

MAR 2016 - JUN 2018

- Recognizes images and text drawn on paper and turn them into interactive tools
- Use Computer Vision and scikit to identify and write equations for hand-drawn polynomials
- [github.com/Messi10AP/PaperVision](#)

### DIGITAL DISTANCE

JAVASCRIPT, SCRIPTR, ANDROID STUDIO

MAR 2017 - JAN 2018

- Made to measure distances without the use of measuring devices
- Implemented accelerometer, gyroscope, and gravity axes to calculate distances
- Winner of SpaceAppsNYC

### STUDENT ACCOUNTS

PYTHON, DJANGO, BOOTSTRAP

JUN 2016 - AUG 2017

- Online banking tool useful for small business environment
- Made with secure database servers using CSRF Protection implemented in Django
- Currently in use at Middlesex County Academy