

# Kush Patel

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## Education

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Rutgers University - New Brunswick  
Bachelors of Science Computer Science

May 2019

## Relevant Coursework

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Data Structures; Computer Architecture; Software Methodology; Databases; Intro to Artificial Intelligence; Design and Analysis of Algorithms; Systems Programming; Internet Technology

## Experience

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### Chubb Insurance | Software Developer Intern

May - August 2018

- Researched Apache Kafka and its architecture to reduce costs and to improve system messaging performance
- Reduced cost and human error rates, by automating and streamlining collection of 100,000+ IIS server logs using Python and libraries (NumPy and Pandas)
- Improved system availability by identifying network abnormalities and creating real-time visualizations by applying the Elasticsearch API and Kibana
- Improved Underwriter communication by developing a Python based RESTful API to integrate instant messaging with business applications
- Designed and developed an internal website with React, Material-UI, Node and Express

### iCIMS | Application Engineering Intern

June 2017 - August 2017

- Improved customer service by developing a CRM administration page using Salesforce's Apex
- Improved Database Administrator productivity 30% by automating ETL process flows with Mulesoft and Python scripts
- Participated in an Agile Software Development Life Cycle
- Presented product and business cases to Senior Vice Presidents

### Chubb Insurance | Salesforce Developer Intern

June 2016 - August 2016

- As a Salesforce Developer and Administrator, managed over 10,000 agency accounts on Chubb's Salesforce Cloud
- Increased field agent effectiveness by building Salesforce mobile application that:
  - Provides sales information on mobile device using Salesforce's Visualforce Pages and Apex
  - Supply agency information by integrating Google's geocoding API to geocode addresses
  - Reviewed product design with architects and pitched mobile product capabilities to business owners.Improved product design with architects and pitched mobile capabilities to business owners

## Projects

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- **itinerary.io (Full Stack Development)** - A CRUD application that collects and displays travel itineraries. Developed a Node.js based API to extract data from a MongoDB database and displayed on a React frontend.
- **Get Together (Android Application)** - Developed a social networking application written in Kotlin that connects users based on sporting interests. Data is maintained in Firebase's Cloud Firestore.
- **Rate my Classes** - Web Application that allows students to read and write reviews for classes at Rutgers University in order to help students decide what classes to take. Built with AWS, Python, Flask, MySQL
- **Optical Character Recognition** - A Python application that classifies images and handwritten text using a single layer neural network (Perceptron) classifier and a Naive Bayes classifier.

## Skills

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- **Programming:** Python; Java; JavaScript; Node.js; HTML; CSS; Kotlin;
- **Frameworks/Tools:** React; React-Native; Android; Git; Flask; Express; MongoDB; MySQL; AWS(S3, EC2); Heroku; Salesforce; Pandas; NumPy; Matplotlib; Scikit-Learn;