

# VIVEK PANDEY

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in [Vivekh](#)

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## PROFILE

A software and big data engineer with almost three years of professional experience in designing, developing and testing efficient commercial applications. Proficient in multiple programming languages, web development frameworks, and cloud computing technologies.

## EDUCATION

**Ramapo College of New Jersey**

Mahwah, New Jersey

B.S. in Computer Science, 2017

**Awards:** Magna Cum Laude, College Honors Program, Presidential Scholarship, Deans List, Research Honors Awardee

**Coursework:** Artificial Intelligence, .NET Environment, Database Design, Web Apps, Network Programming, Algorithms

## SKILLS

**Languages:** Java, C++, C#, JavaScript, Python, TypeScript, LESS

**Frameworks:** Node.js, .NET, Angular, ReactJS, jQuery, Bootstrap, Material, Express.js

**Databases:** MySQL, SQL Server, Oracle, MongoDB, Amazon Aurora

**Cloud Computing Platforms:** Amazon Web Services, Microsoft Azure

**Big Data Technologies:** Familiar with Hadoop, Hive, Spark SQL, Impala, Talend ETL, Hbase, Sqoop

**Development Platforms:** Git, Visual Studio, Android Studio, Eclipse, QTP/UFT, Unity 3D Engine

## EXPERIENCES

**Knowledge Group Inc.** | *Software/Big Data Engineer*

June 2017 - Present

- Developing responsive, interactive and intuitive user interfaces using Angular framework, and implementing optimized back-end APIs in Java Spring - for an enterprise data catalog solution used by multiple health care and pharmaceutical industry leaders
- Designing and implementing reusable ETL (Extract-Transform-Load) components, workflows and jobs in big data projects
- Experimenting and running Proof-of-Concepts on newly released cloud computing services

**United Parcel Service** | *QA Automation Software Engineer (Co-op)*

May 2015 - June 2017

- Designed, developed and tested automated processes and applications using C# .NET framework to save manual efforts on environment configurations, test run scheduling, status notifications, file transfers, network traffic monitoring, etc.
- Created test scripts using hybrid testing frameworks for API and GUI driven automated regression testing
- Mentored junior co-ops and interns for test case re-engineering and scripting

**Ramapo College, Virtual Reality Research** | *Research Assistant for Dr. Scott Frees*

Sept. 2014 - Sept. 2015

- Assisted a senior peer in developing and configuring a virtual environment using Unity3D Engine & various VR equipments
- Experimented with hybrid mobility scaling techniques to achieve low simulation sickness in virtual reality navigation

## CERTIFICATIONS

- Certified Associate Developer | Amazon Web Services

Aug. 2017

## PERSONAL PROJECTS

**Ava (2nd Place & Best Med. Hack in LehighHacks 2016, Microsoft US Imagine Cup Semi-Finalist)** Dec. 2016

A smart medical application prototype who will read your prescriptions/medicine labels and remind you to take medicines accordingly, notify your near ones and help them find you in case of emergencies, provide help for first responders, et cetera.

**Platforms used:** Python-Flask framework, Java-Android, MongoDB, Google Vision and Maps API, Twilio

**Booksterdam: Where the used books at?**

Nov. 2016 - Apr. 2017

Developed a prototype application for college students to easily buy and sell used books within their campus.

**Platforms used:** Node.js framework, SQL Server, Microsoft Azure, ISBNdb API, Open Library Covers API, etc

**Daiceee: A Human vs. Computer Duell Game**

Aug. 2016

Developed a Duell game separately in three languages (C++, Java-Android & Python) in which a human-hating bot gives its opponent a tough time – mostly because of its defensive algorithm but partially also because of its condescending sarcasms.

## HONORS AND ACHIEVEMENTS

- Presidential Scholar, Ramapo College of New Jersey
- 2nd Prize & Best Med. Hack - LEHIGHHACKS 2016, Lehigh University, PA
- Best Use of Mashery API - HACKRU 2014, Rutgers University, NJ
- Featured Song in "The New York Times" Website: On Camera to get off the waiting list - May 11, 2013
- Presenter in three national and two regional collegiate conferences on subjects like Virtual Reality, Digital Footprints & AI
- Guest Speaker for the "EducationUSA (USEF) - Get Inspired Talk Series" in 2013 and 2017.

## CAMPUS LEADERSHIP

- Vice President / Treasurer | International Students Organization

Sept. 2014 - Sept. 2015

- Senator to IT Services | Student Government Association

Sept. 2013 - Jan. 2015

- Website Design Evaluation Committee | [www.ramapo.edu](http://www.ramapo.edu)

Fall 2014

- Budget Allocations Committee | Student Activities & Revenue Management

Fall 2014