

Kapil Agrawal

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2014–2019 **Pursuing Bachelor's degree in Electrical and Electronics Engineering**, Bits Pilani.
(expected) **Master's degree in Economics**
CGPA 8.189

Scholastic Achievements

- 2010 Awarded **National talent Search Examination (NTSE) scholarship** by the Government of India in 2011 after 2 rounds of exam and an interview; In top 1000 out of 300,000 students
- 2012 Achieved **All India Rank 389** in National Science Olympiad organised by NSOF
- 2010-11 Secured **International Rank 89th in 4th and 125th in 3rd** International Mathematics Olympiad
- 2012 Came **1st in Vidarbha division** in Resovista organised by Reasonance; Awarded a Laptop as prize
- 2010-11 Achieved **11th state rank in 8th grade and 14th state rank in 9th grade** in Maharashtra Talent Search Examination (MTSE)
- 2010 Secured **254th All India Rank** in National Cyber Olympiad organised by NSOF

Key Projects

- Aug '15 **Court Counter**, *Android*.
Created an android app for basketball playing players to measure the basketball game score in an easy fashion, but it is yet to be posted on playstore
- Oct–Nov '15 **Street Finder**, *Ajax*.
Created an web app for common people as well as for travellers to find any street of the world and get to know important information, article about that street; Used **Wikipedia API** and **Google-StreetView API**
- Sep–Nov '15 **Equity-Research Initiative**, *Mentored-Research 2015*.
Analyzed Tata Motors Ltd. for 2 months by performing Fundamental, Technical and Ratio Analysis; Constructed Valuation models for the company and also prepared a stock pitch video for the company as a part of Mentored-Research Equity Research Initiative program
- Nov–Present **Stock Market Analyzer**, *Android*.
Building Android App for Analyzing the Stock Market using **Google Finance API**, to get all the live data; this data will be in JSON format and then extracting important values from that JSON data using **JSON Parsing**; Constructing Code to help Investors and Share-Brokers in taking the decision between any 2 companies while Purchasing, Selling or Retaining shares
- May '15 **Cool Web Page**, *Python, Javascript*.
Webpage which lists my favorite movies and show their trailers using HTML, CSS, Javascript and simple **Python OOP** principles
- Oct–Present **GoBitsGo Search Engine**, *Python*.
Currently working on constructing a mini search engine for the college to help students in finding all the queries related to academics, get to know about important instructions, ongoing-events and current news in the campus; Includes **crawler**, **an index and a page rank algorithm**
- Nov–Present **Meet n Eat**, *Rest APIs*.
Social application that matches together users based on their location and food interests; Used **Flask Web development frameworks**, **SQLAlchemy**, **OAuth 2.0**
- Oct '15 **Gravity Magic**, *Scratch*.
Constructed and designed a game in **Scratch Programming** language which can be played by maximum 10 players at a time; resembles more like an extended version of G-Switch

Computer skills

- Languages C, Python, Java (with Android), SQL, HTML, CSS, Javascript (with AngularJS and Meteor.js), jQuery, Ajax, Scratch
- Tools Android, Git, AUTOCAD, Bootstrap, L^AT_EX
- OS Linux, Mac OS, Windows

Extra-Curriculars

- 2008–12 **Captain of Akola District Under-14 and Under-16 Cricket Team**; Got selected for **state level bowling trials**
- Jun–Jul '15 **Summer Intern at Amal Project, American University of Cairo, Egypt** which aimed to train students of age-group 10-12 years academically as well as physically; as a part of AIESEC internship
- 2010–11 Played Inter school chess and table-tennis competition at **divisional level**
- 2012 **Captain of Under-16 school baseball team**
- Aug–Present Learning Languages; beginner in Egyptian Arabic and **intermediate in Spanish**
- 2014 Taught Maths, Physics and Chemistry to students of 10th grade while being a part of National Service Scheme(NSS), BITS Pilani

Key Courses UnderTaken

- Mathematics Calculus, Linear Algebra, Complex Analysis, Differential Equations
- Economics Principles of Economics, Fundamental of Finance and Accounting, Mathematical and Statistical Methods, Economic Environment of Business, Econometric Methods*, Economics of Growth and Development*
- Computer Science Computer Programming, Python Data Structures (via Coursera), Using Python to Access Web Data (via Coursera), Angular JS (via Coursera), Full Stack Foundations (via Udacity), Responsive Web Designing (via Udacity), Responsive Images (via Udacity), Web Tooling and Automation* (via Udacity), Data Structures and Algorithms*, Object Oriented Programming*, Machine Learning*, Data Mining*, Image Processing*, Pattern Recognition*
- Android Android Development for Beginners (via Udacity), Developing Android Apps (via Udacity), How to create <anything> in Android (via Udacity), Material Design for Android Developers (via Udacity)
- Others UX Design for Mobile Developers (via Udacity), Product Design* (via Udacity), Programming in Scratch (via Edx), Introductory Psychology

*to be completed by May 2016