Kapil Agrawal

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2014–2019 (expected)	**Bachelors in Electrical and Electronics Engineering**, Bits Pilani. **Masters in Economics**

Professional Experience

Jun–Jul'15 **Summer Intern at Amal Project, American University of Cairo, Egypt**.
Taught and Trained students of age-group 10-12 years academically as well as physically as part of Amal Project which aimed to develop the entrepreneurship and innovation mindset for the youth of Egypt through sessions delivered by volunteers from all around the world.

Key Projects

Sep–Dec'15 **Meet n Eat**.
- Data driven application to display the details of many Restaurants where user can create its own restaurant, edit their own restaurant details and could also delete their restaurant (CRUD functionalities).
- Used flask frameworks and used SQLAlchemy to implement ORM model to create a database.
- Made an API Endpoints for Get Request using Jsonify class from the flask library and Included message flashing feature using flash class from the flask library. **Link**.

Nov–Dec'15 **Angular Application for Restaurant Menu**.
- Angular JS web application to display the menu of a Restaurant.
- Included Filtering feature using Angular Filters and Angular form with form validation feature for submitting the feedback of the Restaurant. **Link**.

Dec–Present **Stock Market Analyzer**.
- Building Android App for Analyzing the Stock Market using Google Finance API, to get all the live data.
- Extracting important values from that JSON data which is send in response by the API, using JSON Parsing.
- Constucting Code to help Investors and Share-Brokers in taking the decision between any 2 companies while Purchasing, Selling or Retaining shares

Aug–Sep'15 **Street Finder**.
- 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 to fetch the required information and Google-StreetView API to fetch the image. **Link**.

Other Work

Sep–Nov'15 **Sunshine**.
Developed an weather forecast app which helps user to get to know present weather of their region. Used Open Weather Map API to fetch the live details about the weather of region which is being input by the user (Part of course Developing Android Apps).

Nov–Present **GoBitsGo Search Engine**.
Currently working on constructing a mini search engine for the college to help students in finding all the queries related to academics; Includes crawler, an index and a page rank algorithm

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 as a part of Mentored-Research Equity Research Initiative program. **Link**.

Technical skills

Languages	C, Python, Java, SQL, HTML, CSS, Javascript
Frameworks	jQuery, AngularJS, Bootstrap, Flask
Tools	Android, Git, LaTeX, SQLAlchemy
OS	Linux, Mac OS, Windows

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
2014	All India Rank **5717** in **IIT Joint Entrance Examination** among 1.4 million students
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

Extra-Curriculars

2008–12	**Captian of Akola District Under-14 and Under-16 Cricket Team**; Got selected for **state level bowling trials**
2010–11	Played Inter school chess and table-tennis competition at **divisional level**
2012	**Captian of Under-16 school baseball team**
Present	Learning Languages; **beginner in Egyptian Arabic** and **beginner in Spanish**
2014	Taught Maths, Physics and Chemistry to students of 10th grade while being a part of National Service Scheme(NSS), BITS Pilani

Relevant Coursework

Computer Science	Computer Programming, Computer Graphics*, Object Oriented Programming*, Image Processing*, Database Systems*, Human Computer Interaction*
Economics	Principles of Economics, Fundamental of Finance and Accounting, Mathematical and Statistical Methods, Economic Environment of Business, Econometric Methods*, Economics of Growth and Development*, Microeconomics*, Macroeconomics*
Online Courses	Intro to Algorithms*, Intro to Computer Science, Designing RESTful APIs*, Python Data Structures, Using Python to Access Web Data, Angular JS, Full Stack Foundations, Developing Android Apps, Material Design for Android Developers, Authentication and Authorization: OAuth, Using Databases with Python
Mathematics	Calculus, Linear Algebra, Complex Analysis, Differential Equations
Others	Electrical Sciences, Introductory Psychology, Principles of Management*

*to be completed by May 2016