

Kapil Agrawal

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2014–2019 **Bachelors in Electrical and Electronics Engineering**, Bits Pilani.
(expected) **Masters in Economics**
CGPA **7.50 (after 4th semester)**.

Professional Experience

- Jun–Jul'15 **Intern at Risk Management Department of Indian Bank, Chennai.**
Performed Data Analysis and Classification on the past credit risk data using decision tree algorithm and also done the assessment of credit risk existing in the Indian Bank.
- 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

- Dec-Jan'16 **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](#).
- Jan'16 **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](#).
- 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](#).
- 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](#).

Positions of Responsibility

- 2016-17 **Hostel Representative.**
- Taking responsibility of handling problems of over 180 students and also looking about the proper functioning of hostel gadgets and student necessities
 - Organized and managed intra hostel sport and cultural competitions
- 2016-17 **Anti-Ragging committee.**
- Part of the 4-member committee which looks after the happening of severe case of ragging in the college

Technical skills

Languages C, Python, R, Java, SQL, HTML, CSS, JavaScript
Frameworks jQuery, AngularJS, Bootstrap, Flask
Tools Android, Git, \LaTeX
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 organized by NSOF
- 2010-11 Secured **International Rank 89th in 4th and 125th in 3rd** International Mathematics Olympiad

- 2012 Secured **1st** position in ResoVista organized by Reasonance, awarded laptop as a prize
- 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 organized by NSOF

Extra-Curriculars

- 2008–12 **Captain of School 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 **Captain of Under-16 school baseball team**
- 2014 Taught Maths, Physics and Chemistry to students of 10th grade while being a part of National Service Scheme(NSS), BITS Pilani
- 2015 Learned Languages; **beginner in Egyptian Arabic** and **beginner in Spanish**
- 2015 Won the intra hostel cricket tournament during the Bits Open Sports Meet
- Present Learning Photography and Martial Arts

Relevant Coursework

- Electrical Engineering Electrical Machines, Electromagnetic Theory, Electronic Devices, Digital Design, Data Communication and Networks, Electrical Sciences
- Computer Science Computer Programming, Computer Graphics, Image Processing, Software Defined Networking, Linux Programming and Shell Scripting
- Economics Principles of Economics, Fundamental of Finance and Accounting, Mathematical and Statistical Methods, Econometric Methods, Microeconomics, Macroeconomics, Money Banking and Financial Institutions, International Economics, Derivatives and Risk Management, Marketing Research
- Online Courses Intro to Algorithms, Intro to Computer Science, Intro to Machine Learning, Python Data Structures, Using Python to Access Web Data, Angular JS, Full Stack Foundations, Developing Android Apps, Using Databases with Python, Data Analysis with R
- Mathematics Calculus, Linear Algebra, Complex Analysis, Differential Equations
- Others Principles of Management, Introduction to Film Making and Animation