Aviral Gupta

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EDUCATION

- **Columbia University** — New York, NY
  Master of Science in Computer Science — *Sep 2018 – Dec 2019*
  - **Courses**: Software Engineering, Cloud Computing, Analysis of Algorithms, Security
  - **Course Assistant**: Programming Languages (JavaScript), Fall 2018
- **Guru Gobind Singh Indraprastha University** — New Delhi, IN
  Bachelor of Technology in Information Technology; GPA: 3.8/4.0; Institute Rank: 1 — *Aug 2013 – May 2017*

TECHNICAL SKILLS

- **Languages**: JavaScript (ES5 & ES6), C/C++, Python, HTML, CSS, Java
- **Web/Frameworks/Others**: React.js, React Native, AWS, Bootstrap, jQuery, Django, SQL, Node.js

EXPERIENCE

- **All India Council for Technical Education (AICTE), Govt. of India** — New Delhi, IN
  Research and Development Intern — *Oct 2017 - Mar 2018*
  - Implemented the winning project at Smart India Hackathon 2017, *Prediction of Admission & Jobs in Engineering & Technology/Management/Pharmacy* under *Dr. N.H. Siddalingaswamy (Director, AICTE)*
  - Analyzed Indian institutes' datasets and employment statistics using Python to find correlation between them
  - Researched and compared different accredition mechanisms with the pre-exisiting AICTE approval handbook
  - Developed dynamic web-based analytical dashboards using Bootstrap, plot.ly and Django to aid AICTE in granting course approvals to higher educational institutions and prediction of jobs
- **Snapdeal** — Gurgaon, IN
  Software Engineering Intern — *Jun 2016 - Aug 2016*
  - Achieved 7% improvement (100ms) in Time To First Byte of e-commerce website's page load performance by minimizing HTTP requests, optimizing delivery of static resources and early flushing of data
  - Integrated Olark Chat, a third-party chat application, for first time users along with activity tracking to report on all the user's properties across the website user flow using JS and AJAX
  - Researched and presented the idea for *Lite Website* with effective user bandwidth detection
  - Wrote Python scripts to organize resources and optimize build times

PROJECTS

- **Mobile Flashcards: An iOS Quiz Application using React Native** — *Dec 2017 - Jan 2018*
  - This app allows users to study and create a collection of different categories of flashcards called "decks", add flashcards, and then take quizzes on those decks
  - Leveraged React Native to manage infinite lists, routing and user input
- **Readable: A Web Application using React JS and Redux** — *Nov 2017 - Dec 2017*
  - Built a social content and discussion web application that allows users to submit content, vote and comment
  - Leveraged React to build a dynamic user interface, as well as Redux to manage global application state
- **Machine Learning Prediction Engine API** — *Feb 2017 - Apr 2017*
  - An interactive web application was built on top of a Django based RESTFUL API which can get remote predictions from a machine learning model integrated at the backend
- **Freeword: A Web Application using Django, JS and Bootstrap** — *Oct 2016 - Jan 2017*
  - Built a question-answer web application similar to Quora as a platform where users could express their opinions freely and anonymously

AWARDS/HONORS

- **Winner, Smart India Hackathon 2017,** where over 7200+ teams pan India competed in a 36-hour Hackathon organized by the Govt. of India
- **Honorable Mention at ACM-ICPC** (Association for Computing Machinery – International Collegiate Programming Contest) National Regionals 2015, Kolkata after qualifying amongst the top 60 institutes of India