

Arpit Jain

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Interests

Front End Development, Natural Language & Processing, Text Mining, Full Stack Development, Web Scraping

Education

- 2010-2015 **Bachelors & Masters, Computer Science & Engineering, IIT Kanpur, 92%**
- 2008-2010 **Higher Secondary Examination, Central Academy School, 92.60%**
- 1995-2008 **Secondary Examination, St. Paul's School, 93.20%**

Work Experience

- SBI BITS (Strategic Business Innovator Group)** **Strategic Software Developer, Oct'16 - Present, Tokyo Japan**
 - Handled **frontend development** for gold trading platform using **HTML5, CSS & Javascript** (jQuery, Datatables); Impact: **3.5 Million retail investing customers** of SBI Securities
 - Working on pre-trade risk check functionality for **SBI Japannext Proprietary Trading System** (Technologies used: **NodeJS, Apache Kafka - Real time messaging queue**)
- Equity Crowdfunding Venture** **Founder & CEO, May - Sep'16, Bangalore India**
 - Started a **Private Equity crowdfunding platform** to help early stage startups raise funds online
 - Core vision was to create a secondary market for private company equities
 - Involved 30+ startups, 40+ High Networth Individuals, 3 angel investment groups
- Xerox Research (Now Conduent Labs India)** **Research Engineer, July 2015 - May 2016, Bangalore India**
 - Awarded Best project of the year** "Data driven fair Incentive scheme for Enterprise Employees"
 - Patent Application** "Using 10-K filings to identify risk among peer companies for long term investments" (Important Application in Risk Management)
 - Patent Application** "Data driven employee performance improvement framework within Xerox"
- IRIT Research, France** **Research Assistant, May - July 2014, Toulouse France**
 - Implemented **smart restaurant project** to analyse customer data over **7 ambient parameters**
 - Mapped real time data to **identify user interests & make recommendations** ([Code](#))

Internships

- Zomato** **Software Development Intern, Dec 2014**
 - Created an android app to use iBeacons & make **personalized offers** (Internet of Things) [Code](#)
 - Implemented convolution & other image filters in Java (similar to filters in Photoshop) [Code](#)

Yahoo **Software Development Intern, May 2013 - July 2013**

- **Worked with Yahoo E-Commerce** group to improve user retention on Apple devices
- Impact: **30,000+ clients & 3.3 million e-commerce customers**

Projects

- Frontend Development **KPI Management dashboard for large enterprises**
- Built a dashboard to visualize employee performance KPIs, including organizational chart(s)
 - **Features** - Metric lookup based on team, manager, individuals (used D3.JS, Datatables)
- Full Stack Development **Online food delivery system for Indian Railways ([Code](#))**
- **Django application** to order meals from external vendors (used **AngularJS, jQuery, Twilio**)
 - **Features** - Real time order tracking, SMS/Call order confirmation, chat & feedback system
- Full Stack Development **Online system to visualize Tinder users**
- Wrote scripts to **automatically scrape Tinder data** for any location (web application)
 - **Attributes** captured - name, user photos, Instagram photos, user bio, last login data, birthday
 - **Pointed out privacy flaws** with 3rd information access to Facebook, Instagram & Tinder
- Full Stack Development **Creating Photobooks using Facebook's Graph API ([Code](#))**
- Used Facebook's Graph API to automatically create photobooks for popular pages on Facebook
 - The webapp is useful for viewing photobooks offline, keeping memorable pictures together
- Full Stack Development **Bot to scrape flight fare information**
- Wrote scripts to obtain **real-time flight fare data** from a leading online travel website
 - Predicted seat availability for **500+ routes**, using 80,000+ data points
- Full Stack Development **Chrome extension for Quora ([Demo](#))**
- Created **first ever chrome extension for Quora without any native API support**
 - **Tools used** - Selenium, BeautifulSoup, Feedparser, Django (web server)
- Data Analysis & Web Scraping **Bombay Stock Exchange Scrapy ([Data Sample](#))**
- Wrote scripts to get **real time OHLC data** from a leading brokerage firm (1 second intervals)
 - Development done by simulating web requests with different parameters (w/o using any API)
- Full Stack Development **Android App Generator for effective teaching in classrooms ([Code](#))**
- Created an web application to create learning based android apps from CSV files using [ANT](#)
 - Features: Invite friends, post to wall, share score, multiple levels, karma points

Honours and Awards

- Test scores: **99.92 Percentile** (AIR 406) JEE'10; **99.94 Percentile** (AIR 706) AIEEE'10; **99.50 Percentile** (AIR 1382) GATE'14
- Awarded scholarship for **[SAW15](#), Singapore, [RuSSIR'14](#), Russia & [IRIT](#), France**

Technical Skills

- Languages Javascript, Python, HTML5, CSS, PHP, C/C++, Java
- Frameworks NodeJS, AngularJS, Socket.IO, SequelizeJS, jQuery, D3.js, Datatables.js, Phonegap, Python NLTK, WGET, BeautifulSoup, Apache Kafka
- Utilities MS Office, Google Drive, REST APIs, Wordpress; Databases: MongoDB, SQL, MySQL