Chirag Chauhan

CONTACT INFORMATION	101 Summer Street Stamford, CT 06901	(929) 235-0427 crc442@nyu.edu

EDUCATION

NYU Polytechnic School of Engineering, *Brooklyn, NY* — **May 2015**
Masters, Computer Science
- *Relevant Courses :* Web Search Engines · Mobile Application Programming · Operating Systems · Massive Data Management and Analysis · Programming Languages · Modern Cryptography

St. Francis Institute of Technology, *Mumbai, India* — **July 2013**
B.E., Computer Engineering
- *Relevant Courses* : Data Warehousing and Data Mining · System Programming and Compiler Construction · Advance Microprocessors · Mobile Computing · Robotics and AI · Multimedia System Design · Distributed Computing

RELEVANT EXPERIENCE

Software Engineer, *Hewson* — **Aug 2015 – Present**
- Built first version of the entire Hewson platform – iOS app, web app, restful APIs, marketing website, machine learning components and the lab information management system.
- Lead the adaption of Kanban development and delivery process. Developed engineering process and workflow.
- As a part of the Product Team, involved in product strategy, features ideation and prototyping. Worked closely with non-technical founders and designer to schedule and implement features.

Full Stack Intern, *Vettery* — **Sept 2014 – July 2015**
- Implemented the Candidates Dashboard (cakePHP/Angular), while collaborating on the daily issues.
- Developed a chrome extension for the Marketing Team to streamline their workflow.

Graduate Assistant, *New York University* — **Jan 2014 – May 2014**
- Worked under the Vice President of NYU Poly, to administer and update School's website.

TECHNICAL SKILLS

Languages : Javascript, Java, Python, Swift, Golang
Techs & Others : HTML5, SCSS, ES6, Node(Express/Hapi), SocketIO, React, Redux, Angular, MongoDB
Tools : Sublime Text, VScode, Android Studio, Xcode, Unity, Git, Webpack , Invision, FramerJS
Operating Systems : macOS, Linux, Windows, FreeBSD, Android, iOS, Kali Linux

PUBLICATION

Novel Approach for Predicting the rise and fall of stock index of a specific company.
- Assessed various clustering methods for data clustering and modified subtractive clustering algorithm to consider more than two factors.
- Trained the neuro-fuzzy system to predict the future values of stock.

PROJECTS

Apps :
- *Hubb Music*[iOS/Android]: Helps artists collaborate. Users can listen to music created in their vicinity.
- *Know Thy Subway* [Android]: Finds the closest subway entrance and tells the car in the subway train to sit in, so that you get out at the exit closest to your destination.
- *Sweep Beat* [iOS]: Allows users to book cleaners or other household service providers.

Others:
- *Cloud Computing with Android :* Implemented a cloud server using OpenStack Ubuntu LTS and rebuilt AndroidVNC app from code.google.com to run computationally expensive apps in the cloud.
- *VB to Java GUI Converter with Coder:* Created a Windows application that converted a Visual Basic GUI code into its equivalent Java code. To make the coding easier, add an opensource Java editor.
- *Dynamics Simulator:* Wrote a C++ code that simulated how a 2D convex polygon would move with various forces like gravity, friction, thrust and collision with other objects acting on it.
- *Windows Steganographic Application:* Created a simple Java application that uses RSA and Diffie Hellman to encrypt a text file and then embed it into an image using LSB Encoder.
- *YoloNYCTaxis:* For Massive Data Analysis course, visualized how NYC taxis behave during holiday season. Used Hive for analytical queries and (Express/Ember/MapQuest/D3js) stack for visualization.
- *File System based on FUSE:* A FUSE file system 'lindfs' . Implemented basic system calls relating to file directory creation and read/write.
- *Focused Crawler:* Created an efficient web crawler in Python that handles even boolean queries and could crawl thousand of web pages quickly. Complemented it with a query engine.
- *Podcast Online:* Podcast site to listen to stored music online and allowed forums and discussions.

ACTIVITIES AND RECOGNITION
- Winner at Buzzfeed Hackathon, *2015.*
- NYU Stern, Berkeley 200k Entrepreneurship Challenge, Semifinalist*, 2015.*
- Maharashtra State Certificate in Information Technology*, 2004.*
- Completed certified courses in 2D Animation and Digital Designing, *2003.*