

Aayush Shah

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Personal Website: <https://aayushresume.herokuapp.com/cv/>

EDUCATION

New Jersey Institute of Technology

May 2019

Master of Science in Computer Science with GPA of 3.5.

Relevant coursework: Cloud Computing, Artificial Intelligence, Network Management and Security, Data Structures and Algorithms, Operating Systems Design, Java Programming, Internet and Higher Layer Protocols, Network Architecture Protocols, Data Management System Design

K.J. Somaiya College of Engineering, Mumbai, India

May 2017

Bachelor of Engineering in Information Technology

Relevant Coursework: Structured Programming Approach, Software and Web Security, Data Structures, Computer Networks, Distributed Systems, Information Theory and Source Coding.

PROFESSIONAL EXPERIENCE

PrintServ, Mumbai, India

June 2016 - August 2016

Intern

PrintServ has been a technology partner with a broad spectrum of business services offering in networking arena in India.

- Worked as a network auditor for new connections. Monitored old connections and helped develop network diagrams, established and maintained network security for the new connections.

TECHNICAL SKILLS

- Python, Django, Heroku, Java, MySQL, PostgreSQL, HTML, CSS, C, AWS, JavaScript, AJAX, JSON, Numpy, Pandas, Matplotlib, Seaborn, Plotly and Cufflinks.

ACADEMIC PROJECTS

New Jersey Institute of Technology:

Page Rank Algorithm and Kleinberg's HITS algorithm

- Implemented Google's Page rank algorithm and Kleinberg's HITS algorithm using **Java**.
- Used array list to implement Page Rank Algorithm and arrays to implement Kleinberg's HITS Algorithm.
- Took the input in the form of a text file containing the number of nodes and edges, start node and end node of the directed graph. Calculated the Page Rank and Hubs and Authority values of every node and displayed in the output.

Technical papers and presentations

- Wrote a technical paper on NeuV (New Electric Urban Vehicle) and Honda Automated Network Assistant (HANA AI) and prepared a PowerPoint presentation on it.
- Prepared a PowerPoint presentation on DOS and DDOS attacks.

Web Crawler to list various startups and prepared a PowerPoint presentation on it.

- Used **JTable** to design the UI, and **MySQL** to store the data.
- Used **JSOUP** to extract the data from <https://angel.co/companies> about the various startups displaying their statistics like start date, number of employees, location, market and total amount raised. The user can navigate to the angel.co page and their website as well.

K.J. Somaiya College of Engineering:

Opinion Mining for Hotel Reviews

- Developed an **Android** application that will rate hotels depending on the review given by the user using the SentiWordNet algorithm.
- Wrote a technical paper on SentiWordNet Algorithm.
- Took Part in Prakalpa 2017 which is a state level Working Project model competition.

Sickness prediction system

- Created database of 1000 patients.
- Implemented Naïve Bayes Theorem and ID3 algorithm using **Java** to predict the sickness of the patient based on his symptoms.

Other:

Resume Website

- Created a web application using **Django** and hosted it on **Heroku** that shows a gist of everything about me.
- Implemented it using HTML, CSS, JavaScript/AJAX, JSON, and PostgreSQL other than Django.