

# Mayank Mishra

Rohini Sector - 2, New Delhi

[MayankMishra0110011@gmail.com](mailto:MayankMishra0110011@gmail.com)

<https://mayank-mishra0110011.github.io/>

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## Objectives

To prosper in an environment of challenges, excellence, growth and earn a job where I can enhance my knowledge and skills, and utilize them in making significant contributions towards the success of the organization.

## Education

Vivekananda Institute of Professional Studies, GGSIPU

Bachelor of Computer Applications, 2017-2020 (Expected)

Modern Public School, Shalimar Bagh

Commerce Stream with Informatics Practices

## Languages Known

HTML, CSS, SASS, JavaScript, Node.js, Database (MySQL), Java, C/C++, Python, Visual Basic

## Projects

- 1. Wind Visualization:** A web application made using d3.js library. Draws a mercator projection world map on an svg image with added zoom in feature. Loads weather data of each countries capital from a web API. Using the wind data contained in the json data returned from the API highlights each countries wind data on a beaufort scale.
- 2. Paint:** Paint Application for web made with HTML5 canvas and Javascript. Features include drawing a rectangle, circle, line, free hand drawing, image upload, and downloading the canvas image.
- 3. Anime Info:** A basic responsive HTML template made using SASS.
- 4. Encryption Using Cellular Automata:** In this research paper I proposed the idea of using a 1d CA for the purpose of data encryption. On each character the algorithm can be applied for n generations with a public key associated with each character encryption. The proposed technique falls under asymmetric encryption with increasing complexity as n increases.

## **Achievements**

- Research Paper: **A Comparative Study on Encryption Techniques Using Cellular Automata**, Published in Vivekananda Journal of Research, Information Security Risks Techno Legal Management.
- Passed Japanese Language Proficiency Test (JLPT) N5