Mayank Mishra

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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, PHP, Database (MySQL), Java, C/C++, Python, Visual Basic, Ruby

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