

# Vishal Aggarwal

602/B Moujpur, New-Delhi-110053  
India

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**EDUCATION:** **Bharati Vidyapeeth's College of Engineering, Delhi, India**  
**Bachelor of Technology, Information Technology**, Aug 2014 - July 2018(expected)  
Overall percentage: 75.4%

**Mukherjee Memorial Sr. Sec. School, Dilshad Garden Delhi**  
XII (Senior Secondary), Science                      X (Secondary)  
Overall percentage: 90.8%                                      CGPA: 9.0/10

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**SKILLS:**      **Advanced Programming Languages:** C, Python.  
                 **Other Programming Languages:** Java (basic), SQL.  
                 **Web Development (Basic):** HTML, CSS, Bootstrap, PHP.  
                 **Framework:** Django.  
                 **Coursework:** Operating Systems; Data Structures; Object Oriented programming;  
                 Theory of Computation; Algorithms; Computer Networks.

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**TRAINING:**      **Airports Authority India:**  
Worked on APRON Management System and created a Django web app for same, under the guidance of GM V.K Sharma.

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**PROJECTS:**      **Optimal Filter Size of Convolution Neural Networks for Handwritten Digit Recognition:**

- Worked on single layer CNN on  $28 \times 28$  images (MNIST dataset) with 32 filters followed by dense fully connected neural network.
- Minimize the error from **0.99% to 0.82%.**
- The optimal filter size found to be **7 X 7**, which cannot be optimized further for the same configuration of CNN.
- Languages/ IDE used: Python/ Jupyter Notebook

**APRON Management System:**

- Worked on web app to control the parking area of airplane.
- Languages/ Frameworks used: Python, HTML, CSS, Bootstrap, Django.

**File Compressor,  
Result Enquiry Portal,  
Data visualization projects.**  
Projects Link:  
<https://github.com/vishalagg>



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**INTERESTS:**      Programming, singing, reading blogs especially about MACHINE LEARNING.

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**ONLINE PRESENCE**      :      <https://github.com/vishalagg>  
   <https://www.hackerearth.com/@vishalagg1994>  
   <https://www.linkedin.com/in/vishal-aggarwal-04101b124/>