

RAGHAV GUPTA

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INTERNSHIPS AND TRAINING

Teaching Assistant and Question Setter

[Pepcoding educational private limited](#)

May 2021 - July 2021

New Delhi, India

- Teaching assistant in Foundation and Level-Up batches.
- Helped CS and IT undergrads with programming fundamentals.
- Developed and enhanced skills in 3+ coding languages

Web Development Training

[ATS Learning Solution](#)

May'19-June'19

New Delhi, India

- Accomplished understanding of HTML5 and CSS
- Become familiar with the developer tools and IDEs used by web programmers.
- Also got to know about JavaScript fundamentals: variables, if/else, operators, boolean logic, functions, arrays, objects, loops, strings, etc.

PROJECTS

[RDBMS Index implementation using B-Trees](#)

- java, awt, swing, JFrame
- Self-implemented indexes of a mock RDBMS implementation using B-Trees to improve query performance.
- Without index, the RDBMS query is served via page scan and with index created the RDBMS query is served via index seek.
- Leading to lesser numbers of data page loads from hard disk and a higher performance.

[OpenBoard](#)

- Express, socket.io, HTML, CSS, JavaScript, Heroku
- Openboard is an open source cross-platform realtime teaching application for interactive whiteboard designed primarily for use in schools and universities.
- This application includes some basic features like Draw (we can draw 2d graphical design), Erase (we can erase the drawing we made), Undo/Redo, Sticky Notes (we can keep sticky notes for us while teaching)
- Used Canvas API (For 2d graphical drawing), Socket.IO (For realtime drawing), Express (server).

[Camera-Gallery](#)

- HTML, CSS, JavaScript, IndexedDB, Canvas, MediaStream
- Camera App for capturing downloadable pictures and videos
- Incorporates a gallery in which all the images and videos are saved.
- This app used indexedDB storage feature of browser to store data

[Excel-Clone](#)

- HTML, CSS, JavaScript, JQuery
- Excel clone is exact copy of MS-Excel, having all features in it.
- I personally develop this project for my learning purpose.

EDUCATION

Bachelor of Technology (CSE)

[Inderprastha Engineering College](#)

2018 - Ongoing

Uttar Pradesh, India

Current - 7.9gpa

12th Standard (PCM)

[Holy Cross Convent School \(CBSE\)](#)

March 2018

Chhattisgarh, India

Grade - 89%

10th Standard

[Holy Cross Convent School \(CBSE\)](#)

March 2016

Chhattisgarh, India

Grade - 10gpa

CERTIFICATIONS

[Python for Everybody](#)

- Completed certification in Basic Python Skills from University of Michigan on Coursera.

[Introduction to Packet Tracer](#)

- Learnt to create digital models of IP Networks and IoT Systems using Cisco PacketTracer.

[Cybersecurity Essentials](#)

- Developed the foundational knowledge of cybersecurity, including the basics of network security.

SKILLS

C++ JavaScript HTML/CSS
SQL ReactJs NodeJs Redux
MongoDB Git/GitHub
GitHub Actions

COURSEWORK

- Data Structure
- Algorithms
- Object Oriented Programming
- Web Development