pepper | New Delhi, India

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Academic Profile

Year	Degree/Certificate	Institution/Board, City	Percentage
2016-2020	B.Tech	Pepcoding (pitampura, New Delhi)	10.00 CGPA
2015	Class XII	DAV/CBSE, New Delhi	100%
2013	Class X	DAV/CBSE, New Delhi	10 CGPA

Tools

Languages: Java(J2SE), C++(GCC 14), C, JavaScript, Node.JS, HTML, CSS, Bootstrap, MYSQL,

Other Technology: Git/GitHub, Matlab.

Work Experience

1. PepCoding.com   [June'19-Current]
Teaching Assistant and Question Setter   **New Delhi, India**
  ➢ Teaching assistant in foundation and Levelup batches: helped CS and IT undergrads with programming fundamentals
  ➢ 6 batches have been completed so far: helped students gain an optimal understanding of coding starting from absolute zero

2. PepCoding.com   [Jan'19-May'19]
Technical Project Manager Intern   **New Delhi, India**
  ➢ Responsible for Managing 15 software engineer interns working on pepcoding.com website
  ➢ Created questions in Stack and Queues and Dynamic Programming for Pep-Coding's question bank

Projects

1. Data Structure Project
  ➢ LCA for m queries in (m*logn, m* o(1)) where n is number of nodes
  ➢ Console app using trie data structure that make autocomplete suggestions from given word list.
  ➢ Implementation of Trie, HashMap, PriorityQueue, Huffman Encoder-Decoder, AVL.
2. White-Board
  ➢ Contributed to white board for Pep-Coding's doubt resolution module built using Vanilla JavaScript, HTML and CSS
  ➢ Created Undo-Redo features for the board using **Arrays as stack** by storing Positions, Colors and width of the Pen and Eraser
3. RDBMS Index implementation using B-Trees
  ➢ 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.
4. Excel Clone
  ➢ Excel clone is exact copy of MS-Excel, having all features in it. I personally develop this project for my learning purpose. Here is the link of project: https://github.com/Jasbir96/IP_Projects

Position of Responsibility/Extra-Curricular Activities

1. Founder of "The Debugging Society":   [Jun'17]
  ➢ Started in 2017 from NSIT, TDS has been able to develop a passion for coding and network of avid programmers who are willing to learn and share knowledge. We have a regular team meeting and various coding related exams in university.
2. Manager of BloodConnect, Delhi Team: [Dec'16]
  ➢ Awareness and Consulting Manager for period of jun'17 - Jun'18 and conducted two event's Superhero Rally in DU and Annual Event in Ambience Mall

Leadership Experience

1. Conducted an IEEE Workshop on Basics of Data Structure and Algorithm for college students (Jan 2018).
2. Taught Maths, Science and English for underprivileged school kids as part of the Paryas NGO.
3. Conducted various workshop across various colleges MAIT, MSIT, VPIT, NSIT and DTU how to get motivated and focus on coding and practice questions on behalf of pepcoding.