Ramshetty Vineet

Roll No.: 23ECB0B28
Bachelor of Technology
Electronics and Communication Engineering
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EDUCATION

•**National Institute of Technology, Warangal** — *2023 - current*
Bachelor of Technology, Electronics and Communication Engineering (3rd Year) — CGPA: 8.12/10

•**Keshav Smarak Junior College** — *2023*
Telangana State Board of Intermediate Education — Percentage: 96

•**All Saints High School** — *2021*
Board of Secondary Education, Telangana — CGPA: 10/10

PERSONAL PROJECTS

•**File Zipper using Huffman Coding**
Developed a web application to compress and decompress text files using Huffman Encoding algorithm

- Tools & technologies used: JavaScript, HTML, CSS
- Core Concepts: Huffman Coding Algorithm, Bit-level Encoding, Tree Serialization
- Data Structures: Binary Heap (Min-Heap), Binary Tree, Queue
- Implemented custom binary heap and tree serialization for efficient bit-level compression
- Reduced file sizes significantly with a responsive UI for file upload and download entirely in-browser
- Achieved up to 60% size reduction on text files up to 100MB, processed entirely in-browser without server-side dependencies
- Hosted live demo: vineetramshetty.github.io/fileZipper_usingHuffmanCoding

•**Portfolio Website**
Designed and developed a responsive personal portfolio website to showcase projects, skills, and achievements

- Tools & technologies used: HTML, CSS
- Implemented smooth scrolling navigation, sticky header, and animated text effects using Typed.js
- Designed an aesthetically pleasing theme with custom color palette, polished typography, and modern UI patterns
- Showcases education, projects, roles, achievements, and contact information with clear sectioning
- Fully client-side and hosted live on GitHub Pages: vineetramshetty.github.io/portfolioWebsite/

TECHNICAL SKILLS AND INTERESTS

Languages: C++, JavaScript, HTML, CSS
Frameworks: Node.js (beginner)
Soft Skills: Problem Solving, Debugging, Self-Learning, Communication
Coursework: Data Structures and Algorithms

POSITIONS OF RESPONSIBILITY

•**Joint Secretary,** Electronics and Communication Engineering Society (ECES) — *2023 - current*

•**Corporal,** National Cadet Cops (NCC) — *2023 - current*

•**Class Representative,** ECE Section: B — *2023 - 2024*

•**Member,** EA and HAM — *2023 -2024*

ACHIEVEMENTS

•**600+ Rating in Codeforces** Achieved a Codeforces rating of 600+ while practicing competitive programming

•**150+ Problems Solved** Solved 150+ DSA problems across various platforms

•**JEE MAIN** secured AIR 8201 in JEE MAIN — *2023*