

ABHISHEK JOSHI

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portfolio website

Education

Graphic Era Hill University <i>Bachelor of Technology in Computer Science and Engineering, CGPA - 8.6</i>	Oct. 2021 – May 2025 <i>Dehradun, Uttarakhand</i>
Holy Wisdom School Maneshwar <i>Senior Secondary Education, CBSE- 86.8%</i>	2020 <i>Champawat, Uttarakhand</i>
Holy Wisdom School Maneshwar <i>Secondary Education, CBSE- 80.2%</i>	2018 <i>Champawat, Uttarakhand</i>

Projects

Distributed File Management System Golang <ul style="list-style-type: none">Developed a robust Distributed File Management System using Golang, leveraging Go's concurrency model for efficient file storage and retrieval across multiple nodes.Implemented RPC for efficient inter-service communication between distributed components.Designed and implemented a custom storage layer using Go's I/O packages to handle large file operations, optimizing read/write speeds for distributed data.Implemented efficient file encoding and decoding mechanisms using Go's encoding/gob package	Project Link - DFMS
Cartopia React.js, MongoDB, Cloudinary, Redux, JWT authentication <ul style="list-style-type: none">Developed a fully functional e-commerce website using React for the frontend and MongoDB for the database.Implemented features such as filtering products, user authentication, cart management, and secure payment gateway integration.Ensured responsive design and optimized performance for an enhanced user experience.Utilized Cloudinary for cloud storage and MongoDB for NoSQL database,	Live Link - Cartopia
DigitDetect OpenCV, Matplotlib, Tensorflow, Tkinter, Numpy <ul style="list-style-type: none">Created a Handwritten Digit Recognition desktop application using OS and Tkinter for the GUI.Utilized ImageGrab for capturing handwritten digits drawn on the screen.Implemented image preprocessing and digit recognition using OpenCV and TensorFlow.Visualized the results using Matplotlib.Demonstrated proficiency in image processing, machine learning, and GUI development.	Project Link - DigitDetect

Technical Skills

- Languages - HTML, CSS, Javascript** (proficient), **C** (proficient), **C++** (proficient), **Python, Java, Go, SQL, PHP**.
- Tools and Frameworks** ReactJS, ExpressJS, NodeJS, MongoDB, firebase, TailwindCSS, Deep Learning, Natural Language Processing, Github.
- Machine Learning Tools** Numpy, Pandas, Matplotlib, OpenCV, Tensorflow, Seaborn, Tkinter, scikit-learn.
- Data Structures and Algorithms**

Achievements

- Finalist of U-Hackathon 4.0-Meta | Aug 2023 - Sep 2023**
 - Our team got Shortlisted for finals and ranked among the top 25 teams out of 300.
 - Our team enhanced the **online learning experience** by building a **full-stack Learning Management System** (LMS) web application.
- Winner of Reverse Engineering | - 4th Semester — Jun 2023 - July 2023**
 - Our team won 1st prize in Funathon Competition held in our College
- Coding Profiles | present**
 - Achieved rating of 2000+ and awarded a prestigious Knight badge on LeetCode.
 - solved 1600+ DSA problems on Leetcode | **Leetcode Profile Link**
 - 1200+ Score on GeekForGeeks | **GFG Profile Link**