

AGREEM SAINI

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EDUCATION

RGIT BANGALORE

B.E IN COMPUTER SCIENCE AND
ENGINEERING

CGPA : 8.20 | Aug 2020 - June 2024 |
INDIA

LINKS

LinkedIn:// agreemsaini

Leetcode:// agreemsaini

CodingNinjas:// agreemsaini

GeeksforGeeks:// agreemsaini

COURSEWORK

Database Management Systems

Software Engineering

Operating Systems

Cloud Computing

Computer Networks

Artificial Intelligence

Machine Learning

SKILLS

PROGRAMMING

- C++ • Python
- Data Structures and Algorithms
- OOPs • JavaScript
- HTML • CSS
- SQL

ENVIRONMENT

- Visual Studio Code
- Code::Block • GitHub
- Jupyter • Google Colab
- PyCharm • Streamlit

EXPERIENCE

SOFTWARE ENGINEERING INTERNSHIP | SCALER

April 2023 - August 2023 | Bangalore, India

- Developed a class recap feature that improved concept mastery, resulting in a 10% increase in user comprehension and retention.
- Maintained scalable and efficient codebases, incorporating best practices in software engineering, code optimization, and version control, which enhanced application performance by 15%.

C++ DEVELOPMENT INTERN | FUTURE INTERN

August 2024 | Bangalore, India

- Developed hands-on programming skills in C++ during a one-month internship.
- Worked on real-world projects with a focus on enhancing understanding of software development concepts.
- Collaborated with the team to complete tasks and solve problems within the given deadlines.

PROJECTS

TEXT SUMMERIZER

- Created a web application that allows users to summarize document text, enabling them to grasp a significant amount of information more efficiently.
- To achieve this, I utilized the Hugging Face BART-large-CNN API for summarizing the document text.
- For creating the UI, I used Flask, HTML, and Tailwind CSS, and for templating, I employed the Jinja2 module of Flask.

PAYROLL MANAGEMENT SYSTEM PROJECT

- Proficiently leveraged HTML, CSS, and JavaScript for frontend development, along with MySQL and Apache for backend infrastructure. This system effectively processes monthly payroll tasks for a staff of 50 employees.
- The system features separate authentication pages for users and admins, generating personalized payroll receipts for each user.

SORTVIZ

- Created a dynamic sorting algorithm visualizer using C++ and OpenGL library, showcasing real-time visualization of sorting algorithms like Bubble, Selection, Insertion sort.
- Led the project design and implementation, handling tasks like array manipulation, algorithm development, and creating a user-friendly interface.