Ajay Alle

I am pursuing my masters in Computer Science. I had worked on java as a backend developer for two years in Temenos, India.

SKILLS

Programming Languages: C, C++, Java, Python, C#, GO, Ruby, Swift, Kotlin, Scala, PHP, Perl, R, Matlab.

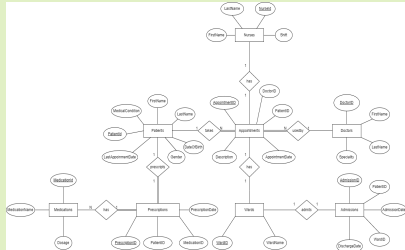**Web Development:** HTML, CSS, Javascript, Angular, React.js, Node.js, Django, Rest APIs.

Database Management: MySQL, PostgreSQL, OracleSQL, NoSQL, Database Design, Data Modeling.

Machine Learning and Artificial Intelligence: Python Libraries, Supervised and Unsupervised Learning, Neural Networks, Deep Learning, Natural Language Processing, Model Evaluation and Optimization.

Algorithm Design & Analysis: Data Structures, Algorithmic Paradigms, Time and Space Complexity Analysis, Sorting and Searching Algorithms.

PROJECTS

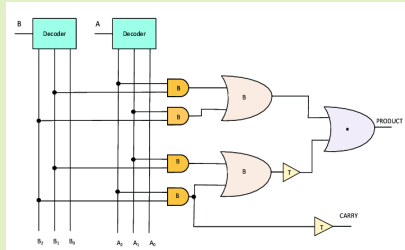### Hospital Database Management System using MySQL

A Hospital Database Management System using MySQL organizes patient, doctor, and staff records, appointment schedules, and medical histories efficiently. Use MySQL workbench for implementation

Implement Reinforcement Learning in Gaming

Reinforcement Learning in gaming, such as in the Super Mario game, involves training an AI agent to navigate levels by learning from rewards and penalties for its actions.

High Performance Ternary Adder using CNTFET

Designed a conventional binary logic gate by replacing them with ternary logic and MOSFETs with CNTFETs. It provides the advantages of reduced interconnects, higher operating speed, and smaller chip area

EXPERIENCES

President of the Indian Student Council at University of New Haven (January 2024 - Present)
Overseeing the work of all the ISC E-board members and making sure all the work is done. Collaborate with university offices and RSOs to foster diverse relationships.

HCLTech

Software Engineer at HCLTech, Hyderabad, India (February 2023 - July 2023)
Worked with clients to deliver better banking experiences. Developed Experienced APIs and focused on Backend Enhancements. It involves building the server-side logic, database interactions, and APIs for web applications.

Product Engineer at Temenos, Hyderabad, India (August 2021 - February 2023)
Worked with clients to deliver better banking experiences.Implemented obscure modules, developed experienced APIs, and collaborated with clients to deliver enhanced banking experiences.

EDUCATION

University of New Haven,West Haven, CT, USA
(August 2023 - Present)
Masters in Computer Science - 3.89/4.0

CMR College of Engineering & Technology, Hyderabad, India
(August 2017 - July 2021)
Undergraduate in ECE - 9.41/10.0

Little Flower Junior College, Hyderabad, India
(June 2015 - May 2017)
Intermediate in MPC - 932/1000

CERTIFICATIONS

OCJA Certification

The Oracle Certified Java Associate (OCJA) certification is a beginner-level credential validating core Java SE programming skills. It covers Java basics, object-oriented programming, operators, loops, and exception handling.

Microsoft Azure AI

Microsoft Azure AI is a suite of AI services and tools on the Azure cloud platform, enabling developers to build intelligent applications. It offers pre-built models for tasks like natural language processing, image recognition.

BLOGS

Ganesh Chaturthi

Ganesh Chaturthi is a major Hindu festival celebrating the birth of Lord Ganesha, the elephant-headed deity symbolizing wisdom, prosperity, and remover of obstacles. In beginning on the fourth day of the Hindu month of Bhadrapada.

Holi

Holi, also known as the "Festival of Colors," is a vibrant Hindu festival celebrating the arrival of spring and the victory of good over evil. It typically takes place in March on the full moon day of the Hindu month of Phalguna.

Bollybood Night

A wonderful party with a luxurious setting, stunning attendees, specially selected Bollywood music, and most importantly, positive energy!. The event is to share culture of Indian Bollywood film industry.