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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.

Software Development and Engineering: Agile Methodologies, Version Control, Continuous Integration/Continuous Development, Unit Testing, Debugging, Design Patterns.

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

Projects

Hospital Database Management System



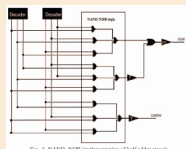
Developed Database System for Hospital which ER Diagram, Relational Schema, Queries were written.

Implement Reinforcement Learning in Gaming



Trained a Super Mario agent to autonomously learn and improve its gameplay in a Mario game. Used OpenAI gym environment for implementation.

High Performance Ternary Adder using CNTFET



CNTFET offers enhanced speed and energy efficiency compared to traditional CMOS-based designs. Utilizing CNTFETs enables MVL, reducing interconnect complexity.

Experience



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.



Software Engineer at HCLTech, Hyderabad, India (February 2023 - July 2023)

Integrated business banking features into native apps, optimized performance, and scripted micro-app workflows for seamless development.



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 Electronics and Communication Engineering - 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 validates foundational knowledge of Java programming, covering key concepts.

Microsoft Azure AI



The Microsoft Azure AI Certification validates skills in using Azure's AI services to build and deploy AI solutions.

SCALE Certification



The IUCEE Leadership Certification focus on leadership skills in engg. students through active learning and real-world problems.

Blogs

Ganesh Chaturthi is a major Hindu festival celebrating the birth of Lord Ganesha, the elephant-headed deity symbolizing wisdom, prosperity, and remover of obstacles. It typically lasts 10 days, beginning on the fourth day of the Hindu month of Bhadrapada (August/September). The festival starts with the installation of Ganesha idols in homes and public pandals (temporary structures). Devotees perform daily prayers, offer sweets like modak (Ganesha's favorite), and sing hymns in his honor. Communities come together for cultural events, music, and dance performances during the festival.



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. The festival begins with Holika Dahan, a bonfire symbolizing the burning of the demoness Holika and the triumph of good over evil. The next day, people of all ages come together to throw colored powders (gulal) and water at each other in joyous celebration. It is a time for social harmony, as friends, family, and even strangers come together, breaking barriers of caste, class, and age. Music, dancing, and festive foods like gujiya and thandai are an integral part of the celebration.

