Nandini Morla

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EDUCATION

SUNY New Paltz   New Paltz, NY
Masters in Computer Science. GPA : 3.81/4.00   *Aug 2022 – May 2024*

TECHNICAL SKILLS

Languages: C,C++,Core Java, Python, PHP, PL/SQL, coding.
Web Development: HTML, CSS, JavaScript, Node.js, JQuery, Ajax DOM, Express.js, React.js, AngularJS, JPS, JSON, TypeScript, front end , back-end, database, full-stack, web applications design patterns
Frameworks: Spring, Spring Boot, Hibernate/JPA, HTTP, RESTful API, Django.
Technical Skills: Data Structures & Algorithms, data analytics, programming, Git, multithreading, data processing, networking, UI, UX, Linux, deep learning, software engineering, problem-solving skills, communication skills, Artificial Intelligence, Cloud Computing, machine learning, NLP, statistics.
Software Development:Experience with software development processes, including design, coding, testing, debugging, documentation, troubleshooting and test-driven development, version control.

EXPERIENCE

Undergraduate Teaching Assistant, Operating Systems   Jan 2023 – Present
SUNY New Paltz   *New Paltz, NY*

- Assisted in teaching Unix commands and operating systems concepts for 25 undergraduate students. Utilized feedback from assessments to improve teaching methods.
- Conducted 12 weekly tutorials/semester, evaluated and graded assignments.
- Helped students to understand concepts and provided resources for further learning.

Graduate Engineer Trainee   July 2021 – Aug 2022
L & T Infotech   *India*

- Collaborated effectively with cross-functional teams to design, implement, and test innovative solutions using java frameworks like spring boot, hibernate.
- Conducted thorough analysis to identify and eliminate code smells in Java codes, ensuring optimal functionality and adherence to industry best practices.
- Demonstrated proficiency in problem-solving and troubleshooting complex technical issues, effectively minimizing downtime and ensuring uninterrupted operations.

PROJECTS

Student Management System | *Spring API, Java, Maven, MySQL*   May 2020

- Elevated student data management through a robust system enabling CRUD operations, significantly enhancing academic record handling and course management.
- Optimized student course enrollment and feedback processes, delivering a user-friendly interface that improved overall educational administration efficiency.

Predict future crude oil prices using Ensemble learning | *Machine Learning*   Dec 2020 – Jan 2021

- Achieved breakthrough accuracy in predicting crude oil prices by innovative training and comparing multiple regression models, identifying the most effective model with minimal error.
- Expertly leveraged four supervised learning models, including Linear Regression, Decision Tree and Random Forest Regression, setting a new standard for precision and performance in predictive analytics.

Hybrid Images | *Image processing, OpenCv*   Oct 2023

- Developed a visually captivating hybrid Image by seamlessly merging high-frequency elements of a husky image with the low-frequency components of a Mickey Mouse image.
- Utilized advanced image blending techniques to create a unique and innovative visual representation.
- Used my exceptional skills in blending and harmonizing diverse visual elements to produce a cohesive and striking final product.