NANDINI MORLA

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EDUCATION

SUNY New Paltz New Paltz, NY
Masters in Computer Science. GPA: 3.70/4.00

EXPERIENCE

Computer Science Engineer Intern May 2024 - Present
Tiny Archives *Remote*
- Develop web and mobile application for Tiny Archives FACTool using React, jsx and Django frameworks.
- Provide database support, UI development/enhancement/support, backend development and global search functionality.

Web Developer and Designer Intern April 2024 – Present
Power Changes Lives *Remote*
- Pioneered the design of a cutting-edge front-end interface for 360-degree photobooth project.
- Implemented captivating home pages, dynamic headers, and hamburger menus for enhancing user engagement and navigation efficiency.

Undergraduate Teaching Assistant, Operating Systems Jan 2023 – May 2024
SUNY New Paltz *New Paltz, NY*
- Assisted in teaching Unix commands and operating systems concepts for undergraduate students.
- Conducted 12 weekly tutorials/semester and evaluated assignments.

Graduate Engineer Trainee July 2021 – Aug 2022
L & T Infotech
- Worked with cross-functional teams to design, implement solutions using spring boot framework and manage in jira bitbucket.
- Conducted thorough analysis to identify and eliminate code smells in Java codes.

Intern Oct 2020 – Apr 2021
Virtusa *India*
- Developed a consolidated dashboard utilizing PowerBI for AWS, GCP, and Azure.
- Analyzed and integrated data from multiple platforms to provide valuable insights.

PROJECTS

Take a Quiz | *HTML, CSS, JS, Node, EJS, Express, Typescript* Apr 2024
- A website to test your general knowledge and see your score.

Monitor Moving Objects in a Video Clip | Image Processing, OpenCV Nov 2023
- Advanced surveillance technology with a bespoke blob detection system.
- Innovated object tracking by incorporating adjustable trackbars.

Hybrid Images | *Image processing, OpenCv* Oct 2023
- Developed a visually captivating hybrid Image by seamlessly merging images.

Detect and Classify Car, Truck, and Airplane | *Image Processing, OpenCV, Pytorch* May 2022
- Transformed object detection and classification using CNN.

Predict future crude oil prices using Ensemble learning | *Machine Learning* Dec 2020
- Use ensemble learning to predict crude oil prices using supervised learning models.

Real Estate Application | *React.js, Express, HTML, Bootstrap* May 2020
- An application for buyers and sellers to showcase their property and connect with interested people.

TECHNICAL SKILLS

Languages: C, C++, Java, Python, HTML, CSS, JavaScript, Typescript, XML.

Frameworks: Node.js, React.js, Spring Boot, Django.

Technical Skills: Data Structures & Algorithms, Data Analytics, Git, Linux, Machine Learning, Deep Learning - ANN, CNN, RNN, LSTM.

Tools: PowerBi, Eclipse, MySQL, Visual Studio, BitBucket.

CERTIFICATIONS

Oracle: Java SE 11 Developer.

Coursera: SQL for Data Science, Programming Foundations with JavaScript.

PUBLICATIONS

Face Mask Detection using Machine Learning Techniques

ACHIEVEMENTS

Worked as a teaching assistant for all four semesters throughout my masters program.

Awarded with Outstanding Student award in my masters program.