ADYA MAHLAWAT

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PROFESSIONAL EXPERIENCE

Associate Engineer   *Gurgaon, India*
Silverpush   *Dec 2020 – July 2022*
- Implemented synchronization mechanisms for social, display, and video ads with real-time events on the Parallels project, facilitating an engagement with consumers during live events through seamless integration.
- Engineered a Node.js server for real-time management of client and admin data along with implementing a revenue tracking functionality aligned with client requirements.
- Collaborated with the software testing team to orchestrate and implement product updates, fostering improvements in quality and productivity while acquiring proficiency in emerging back-end technologies such as Sequelize and Postgresql, thereby contributing to the development of the Mirrors Project.

Tech Skills: Angular 8, AngularJS, Javascript, Typescript, HTML5, CSS3, JQuery ,Postgresql, MongoDB, NodeJS, Github

UI Developer Intern   *Bangalore, India*
Flynava Technologies   *July 2020 - Nov 2020*
- Designed and implemented a user interface solution, focusing on the front-end aspects, to address the challenges posed by Airline Pricing within Jupiter Project (an effort to track and update airline pricing).
- Created an intuitive and efficient interface for users interacting with the pricing system, ensuring a seamless and visually appealing experience
- Developed and optimized insightful dashboards, providing a user-friendly and efficient platform for pricing analysis and decision-making

Tech Skills: Javascript, HTML5, CSS3, Angular JS, JQuery, Postgresql, NodeJS, MySQL, Github

Software Developer Intern   *Hyderabad, India*
SysIntelli   *Jan 2020 - July 2020*
- Acquired proficiency in technologies and tools, such as, Angular 8 resulting in an increase in efficiency in MedIntelli, a healthcare software development project
- Engaged in testing and debugging web-based electronic medical record solution on Cloud Computing Technology, ensuring the delivery of a robust and error-free software application in the healthcare sector

Tech Skills: Java, Javascript, HTML5, CSS3, Java

Salesforce Intern   *San Diego, USA*
SysIntelli   *June 2019 - July 2019*
- Worked on a project that tracked various business activities of a real estate client using SALESFORCE cloud-computing platform. Worked with the development team for Business Administration Organizations
- Provide hands-on technical assistance and troubleshooting to end-users

Tech Skills: Java, Salesforce

Java Intern   *New Delhi, India*
National Informatics Center (NIC)   *June 2018 - July 2018*
- Conceptualized and implemented a Java Development Tool for the Ministry of Housing and Urban Affairs (MoHUA) project. A robust solution to streamline and enhance the Java development process.
- The Java Development Tool was crafted to automate repetitive tasks, facilitate efficient code generation, and ensure adherence. It aimed to expedite the development lifecycle and the overall efficiency of the coding process.

Tech Skills: Java, Servlets, JSP, Github

PROJECTS

Unsupervised feature descriptors based facial tracking over distributed geospatial subspaces
Developed and implemented an object tracking algorithm, including centroid computation and unique ID assignment, optimizing computational cost, speed, and efficiency. ***Tech Skills****: Machine Learning, Data visualization*
Identification and classification of rock glaciers in Indian Himalayan ranges using deep learning
Introduced an algorithm employing Stacked Denoising Autoencoder to achieve unsupervised feature representation for classifying Lobate debris aprons (LDA) on probable areas, emphasizing robustness to partially corrupted input patterns and addressing challenges in dimensionality reduction for multispectral images. ***Tech Skills****: Deep Learning, Data visualization*
Identification of LDA and implementing on Mars using Machine Learning
Executed Maximum Likelihood Classification on Mars multispectral data, utilizing LDA polygons for training and validation, demonstrating expertise in image classification tools, statistical analysis, and graphical representation to enhance spatial understanding for Mars landscape features. ***Tech Skills****: Machine Learning, Data visualization*

EDUCATION

University of Illinois at Springfield - USA   *Aug 2022 - Dec 2023*
Master of Science - Computer Science - 3.92/4.00 GPA
Course Work: Machine Learning, NoSQL, Algorithms and Computation, Java, Data Visualization, Advance Database
NIIT University, Rajasthan - India   *July 2016 - Oct 2020*
Bachelor of Technology - Computer Science
Course Work: Big Data, Computer Networks, Data Mining, Natural Language Processing, Probability and Random processing, Computer Architecture and Organisation

CERTIFICATIONS

- Developing Web Applications Using Servlets and Jsp from NIIT Education Center, Delhi
- HTML, CSS and JAVASCRIPT from Duke University, Coursera