Yuva Teja Pandranki

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OBJECTIVE

Passionate Computer Science student with a solid background in software development, system administration, and network management. Showed ability to apply technical knowledge to practical problems through successful completion of relevant coursework and hands-on projects. Experienced in Python, web development, and cloud computing, looking for an IT Internship to apply these skills in a practical environment. Striving to contribute to technology solutions while gaining invaluable experience in IT infrastructure and support.

EDUCATION

University at Albany (SUNY), New York**,** United States. **August 2023 - Pursuing**

Master of Science

- Major: **Computer Science**
  Courses: Operating Systems, Advance Computer Architecture, Software Engineering, Advance Programming Concepts, Formal Language Automata Theory, Discrete Math with Application.

GITAM University, Visakhapatnam, India. **July 2017 – August 2021**

Bachelor of Technology

- Major: **Computer Science and Engineering**
  Courses: Programming With C, Data Structures with C, Object-Oriented Programming with C++, Operating Systems, Computer Networks, Database Management System, Web Technologies, Unix Programming Laboratory, Software Engineering, Cryptography and Network Security, Computer Engineering Workshop.

WORK EXPERIENCE

TechADlien, Hyderabad, India **January 2023 – July 2023**

Frontend Developer

- Created a ReactJS based responsive Learning Management System (LMS) using CSS and Bootstrap, focusing on user-friendly design and multi-platform support.
- Created initial wireframe templates using Balsamiq, according to client requirements and business analyst inputs for a well-defined user experience.
- Headed the frontend development process from the design phase to final deployment, showing flexibility to feedback and project change.
- Demonstrated a good communication with stakeholders, allowing for agile responses to feedback and changes in requirements, thus showing a commitment to continuous improvement and learning.

Corizo, Remote, India **September 2022 – December 2022**

Internship

- Received a complete training in Python, Data Science, Jupyter Notebook, Pandas, and Numpy.
- Participated in projects such as Stock Price Detection and Wine Quality Analysis, acquiring knowledge in data preprocessing and data visualization.
- Analyzed complex datasets to find trends and insights and used statistical methods and machine learning algorithms to drive project results and support decision-making processes.

TECHNICAL SKILLS

Programming Languages: Python, C, C++, SQL, JavaScript
Web Technologies: HTML, React, ExpressJS, CSS, Bootstrap, NodeJS, Balsamiq
Data Science/Machine Learning: Pytorch, Numpy, Keras, Scikit-Learn, Pandas, Matplotlib, TensorFlow, Selenium
Cloud Computing: AWS, EC2, S3, IAM, DynamoDB, Lambda, CloudFront, Route 53
Tools and Platforms: Git, GitHub, Visual Studio, Linux, MySQL, Docker, Jupyter Notebook, Microsoft Suites

PROJECTS

Event Explorer (InProgress**)**

- Working together on a responsive web application which is aimed at linking event organizers and customers, improving event discovery and participation by providing unique features.
- With ReactJS, Bootstrap, and HTML, I developed the frontend with a user-friendly interface that works well across all devices.
- Taking part in AWS cloud deployment strategies, providing scalable and reliable access to the application, and supporting backend integration with Java, Spring Boot, and RESTful web services.
- Taking part in database management using SQL/H2 and integrating Stripe for secure payment processing, presenting a wide range of web application development skills.

AWS Cloud Resume Challenge View Project

- Constructed and hosted a static website on AWS technologies, demonstrating expertise in cloud computing, infrastructure management, and website deployment.
- Leveraged AWS S3, CloudFront, Lambda, and DynamoDB to develop a fully functional and serverless architecture.
- Demonstrated knowledge in secure cloud practices and cost-effective resource management.

Real-Time Object detection

- Created a Python app using Yolo V3 and Jupyter Notebook to detect objects in real time, process images to label and highlight objects with bounding boxes, class IDs and probability scores.
- Demonstrated expertise in machine learning algorithms and image processing techniques, resulting in high accuracy in object detection and classification.

CERTIFICATION & PUBLICATION

Hand Gesture Recognition Using Convolutional Neural Networks Certificate

https://www.ijaresm.com/uploaded_files/document_file/Yuva_Teja_Pandranki,_VSVS_MurthyfhrK.pdf

- This research paper represents a deep learning approach to interpret American Sign Language using Convolution Neural Networks, aiming to improve communication accessibility for individuals with physical challenges.
- This study successfully develops a system capable of recognizing and interpreting hand gestures, converting them into textual or spoken language.
- Increased the accuracy of hand gesture recognition by use of Gaussian filtering for noise reduction and refined data augmentation to deal with lighting and blur effects, accomplished advanced image preprocessing consisting of grayscale conversion and adaptive thresholding. This total approach effectively solved overfitting issue giving our model extremely better than all others in real-time hand gesture text conversion.

ASSOCIATIONS

IEEE, Core Committee Member **2019 – 2021**

- I actively volunteered and assumed organizational responsibilities for a range of technical and non-technical events during the respective fests.
- Played a key role in planning and executing student-centric initiatives, including workshops and tournaments, enhancing the academic and professional development of peers.