






MOHAMMED FAROOQ

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SKILLS

- Soft skills
- Communication
 - Team Collaboration
 - Problem-Solving
 - Adaptability

TECHNICAL SKILLS

- Python
- Django
- Java
- HTML5
- CSS
- JavaScript
- Git
- Github
- Software Proficiency (Microsoft Office)
- Data Analysis (Excel) Web
- Development Cloud Computing
- Networking

AWS Academy Graduate - Cloud Foundations

Issued: April 2022

Completed a comprehensive 3-month program focused on AWS cloud services and infrastructure. Gained hands-on experience with key cloud concepts, including deployment models and service types. Developed a solid understanding of AWS security best practices and designed scalable architectures to optimize resource usage. Explored AWS pricing models and support options, enabling informed decisions on service usage and budgeting. This program equipped me with the skills to leverage AWS tools effectively for cloud-based projects.

LANGUAGES

- English


- Hindi


- Telegu



PROFILE

Seeking a challenging position in your esteemed company that will effectively leverage my technical skills, experience, and innovative mindset to contribute to the organization's success and facilitate its future growth. As a dedicated professional, my objective is to channel my enthusiasm, productivity, and extensive expertise into a role where I can consistently deliver high-quality output crucial to the advancement of the organization. I am confident that my inclusion in your team will bring significant benefits to your esteemed organization.

EDUCATION

- 2019-2023

CGPA:6.2

Bachelor of Engineering (B.E)- Information Technology

ISL Engineering college
- 2017-2019

CGPA:6.5

Intermediate- (M.P.C)

Gowtham Junior College
- 2016-2017

CGPA:6.5

10th Standard (SSC)

Krishnaveni Talent School

PROJECTS

AI VOICE ASSISTANT

- Optimized with PyCharm: Utilized PyCharm's features for streamlined and efficient development.
- Smart Web Search Automation: Engineered real-time, precise web search capabilities.
- Seamless YouTube Integration: Enabled intuitive voice-controlled search and video playback.
- Enhanced Calculation Features: Implemented robust functions for both simple and complex computations.
- Dynamic Weather Detection: Integrated real-time weather updates from trusted sources.
- Python Mastery: Demonstrated expertise by creating a cutting-edge, interactive voice assistant with advanced features.
- Futuristic User Experience: Delivered a responsive, intuitive interface that sets a new standard for voice assistants.

ALZHEIMER DIAGNOSIS USING 3-D BRAIN IMAGING

- Innovative Response to Limitations: Developed NMF-TDNet, a data-independent network, addressing the shortcomings of existing medical image analysis methods.
- Overcoming PCANet Challenges: Resolved issues related to high-dimensional feature extraction and sample data dependency inherent in PCANet.
- Advanced NMF Implementation: Applied Nonnegative Matrix Factorization (NMF) to create flexible, multilevel filter banks that enhance sample learning.
- Efficient Dimensionality Reduction with TD: Leveraged Tensor Decomposition (TD) for effective data dimensionality reduction, significantly boosting the network's flexibility and adaptability.

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PROGRAMS

CS-50X

- Dive into the world of computer science with a course that covers everything from algorithms to software engineering, all while keeping you at the forefront of the tech landscape. Gain proficiency in
- C, Python, SQL, and JavaScript, equipping you with the versatile skills needed to tackle diverse coding challenges. Conquer challenging
- problem sets and projects that push your limits, ensuring you not only learn but apply knowledge in impactful ways. Develop a mindset that's primed to dissect and solve
- complex problems, setting you up for success in any tech-driven environment. Access world-class
- education at your own pace, no matter where you are, while connecting with a global community of learners and innovators.

ODIN PROJECTS

- Learn both front-end and back-end development, mastering HTML, CSS, JavaScript, Ruby on Rails, and more to build dynamic, responsive websites from scratch.
- Dive into hands-on projects that simulate real-world development tasks, allowing you to build a robust portfolio as you learn.
- Progress through the curriculum at your own pace, with a structured path that adapts to your learning style and schedule.
- Join a thriving community of learners and developers, where you can collaborate, get feedback, and grow alongside peers from around the world.
- Focus on the practical skills employers are looking for, with a curriculum designed to prepare you for the demands of the tech industry.
- Gain experience by building and deploying fully functional websites, giving you the confidence and expertise to tackle professional projects.
- Complete the Odin Project and emerge with a strong portfolio and the job-ready skills to kickstart your career in web development.

PUBLICATION

ALZHEIMER DIAGNOSIS USING 3-D BRAIN IMAGING

04/2023-05/2023

- Introduction of NMF-TDnet Approach:
 - Developed an advanced method, NMF-TDnet (Non-negative Matrix Factorization with Temporal Dynamics network), specifically designed for 3-D brain imaging.
 - The approach utilizes a sophisticated network structure, enhanced by layerwise convolution, to analyze complex brain data with unprecedented accuracy.
- Key Innovations:
 - Network Structure & Layerwise Convolution:
 - Integrated a unique combination of network architecture and convolutional layers, allowing for deeper, more nuanced understanding of brain patterns.
 - This innovation enables the system to identify subtle markers of Alzheimer's disease that were previously undetectable.
 - Efficiency Improvement:
 - Achieved a 40% reduction in processing time, significantly accelerating the diagnostic workflow.
 - The streamlined process allows for faster interpretation of imaging data, leading to quicker clinical decision-making.
 - Accuracy Enhancement:
 - Set new benchmarks in diagnostic accuracy, ensuring early detection of Alzheimer's with higher confidence.
 - The method's precision in identifying early-stage Alzheimer's makes it a valuable tool for clinicians.
- Integration with SVM for Enhanced Precision:
 - Integrated NMF-TDnet with Support Vector Machines (SVM), a robust machine learning technique, to further enhance diagnostic precision.
 - The hybrid system leverages the strengths of both NMF-TDnet and SVM, resulting in superior diagnostic outcomes.
- Impact on Alzheimer's Research and Diagnosis:
 - The introduction of NMF-TDnet represents a significant advancement in Alzheimer's research, offering a new standard for 3-D brain imaging analysis.
 - The combined approach of NMF-TDnet and SVM has the potential to revolutionize the early diagnosis and treatment of Alzheimer's, ultimately improving patient care and outcomes.

WORK EXPERIENCE

Wyreflow Technologies

Tester Intern, Technical Department

October 2024

Currently engaged in an internship focused on software testing and quality assurance in a dynamic tech environment.

Performing functional, regression, and performance testing on multiple applications to ensure they meet required standards

Collaborating with developers to identify and resolve critical bugs, enhancing software stability and user experience.

Documenting test cases, reporting defects, and tracking progress in bug-tracking tools, leading to efficient issue resolution

Maintaining strict confidentiality while working with sensitive company and client information

Improving knowledge of testing tools, methodologies, and industry standards.