MANVENDRA SINGH

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EDUCATION

GRAPHIC ERA HILL UNIVERSITY Uttarakhand, India
Bachelor of Technology Aug 2020 - July 2024

Major in Computer Science & Specialization in Artificial Intelligence & Machine Learning
Cumulative GPA: 8.02/10.0

Relevant Coursework: Data Base Management, Software Engineering, Operating Systems, Algorithms, Artificial Intelligence

WORK EXPERIENCE

Oil and Natural Gas Corporation Uttarakhand, India
Full Stack Web Development Intern Jul 2023 – Aug 2023

- Developed the IDT Department website for ONGC India **using Visual Basic and ASP.NET**.
- Engineered a comprehensive data flow architecture using **Microsoft SQL Server**, streamlining data processing workflows and enhancing data accuracy, **leading to a 25% increase** in operational efficiency.
- Implemented robust **user authentication**, enhancing data security.
- Successfully delivered the website within the stipulated timeline, improving the department's operational **efficiency by 80%.**

INSIGNIA Remote, India
Machine Learning Intern Feb 2023 – Apr 2023

- Directed the development of an advanced video pattern recognition system using **ML** technology, resulting in a remarkable **95% accuracy rate** in identifying complex patterns in real-time video streams, significantly enhancing video analysis capabilities.
- Optimized data preprocessing pipelines, achieving a **20% improvement** in model performance, and reducing computational **overhead by 30%.**

PERSONAL PROJECTS

PERSONAL PORTFOLIO − Web Development Project [Live link] Jan 2024 - Feb 2024

- Developed a personal portfolio website using **HTML, CSS**, and **JavaScript,** showcasing **5 projects**, and highlighting skills and achievements.
- Designed 3 interactive features, including interactive **project galleries** and **contact forms**, to enhance visitor engagement and user interaction.
- Tested the website on 4 different devices and screen sizes, ensuring **100% compatibility** across platforms and **implementing responsive design principles** for optimal viewing on various devices.
- Deployed the website using GitHub Pages for public access.

CIFAR − Object recognition using ResNet50 [Link] Aug 2023 - Oct 2023

- Executed a **deep learning** initiative **leveraging fundamental neural networks**.
- Implemented the **ResNet50 model**, a **pre-trained Convolutional Neural Network (CNN)**, for **object recognition**.

CERTIFICATES & TRAINING

AI − 900: MICROSOFT AZURE AI FUNDAMENTALS Issued: Dec 2021

AWS: AMAZON ACADEMY GRADUATE Issued: Aug 2023

ADDITIONAL

Technical Skills: HTML, CSS, JavaScript, PHP, SQL, C++, Python, Machine Learning, MongoDB, ExpressJS, ReactJS, NodeJS.
Ongoing Project & Research Paper: Performance Analysis of CNN Model for disease prediction on Spark and Hadoop.
Leetcode Contest: Ranked 3477 out of 18093 in leetcode weekly contest.