Madhav Singh

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Education

Graphic Era University **2023 - 2027**
B.Tech in Computer Science & Engineering with AI ML *8.10/10 CGPA*

Work Experience

Technology Buisness Incubator(TBI) GEU **2024 – Current**
Full-stack Developer Intern *Remote*

- **Web Application Development**: Designed and developed responsive web applications using HTML, CSS, and JavaScript for frontend, and integrated NodeJS and MongoDB for backend services.
- **Optimization & Debugging**: Learned to optimize application performance and debug issues across the entire stack to enhance user experience and functionality.
- **Key Learnings**: Gained hands-on experience with full-stack development, focusing on both client-side and server-side technologies, as well as database integration.
- **Langauges used**: HTML, CSS, JS

CodeAlpha **October 2024 – November 2024**
Machine Leaning Intern *Remote*

- **Model Development**: Designed and implemented *Credit Scoring Models*, *Handwritten Character Recognition*, and *Disease Prediction Models* using real-world data.
- **Streamlined Pipelines**: Utilized Python, TensorFlow, and Scikit-learn to optimize training pipelines, reducing computational time significantly.
- **Key Learnings**: Gained expertise in machine learning workflows, including data preprocessing, model training, and performance evaluation.

Girl Script Summer of Code **October 2024 – November 2024**
Open Source Contributor *Remote*

- Actively contributed to open-source repositories, collaborating with other developers to improve functionality and fix issues.
- Identified and resolved bugs to enhance project stability and performance.

Projects

Machine Learning Projects **Source Code**

- **Credit Scoring Model**: Designed a machine learning model to predict creditworthiness using real-world financial data, improving accuracy in credit scoring.
- **Handwritten Character Recognition**: Implemented a deep learning model to recognize and classify handwritten characters, achieving high accuracy on standard datasets.
- **Emotion Recognition Model**: Developed a predictive model to analyze facial expressions or text data to identify emotions

Technical Skills

Languages: C, Python, Java, C++, JavaScript
Backend: Node.js
Frontend: HTML, CSS, Bootstrap
Clouds & Databases: AWS, MongoDB
Web Technologies: Docker, Socket.IO, Redis
Developer Tools: Postman, VS Code, GitHub