DEEPJYOTI DEBNATH

AI ENGINEER

PROFILE

Committed professional with hands - on experience helping organization craft complete web presence . Ambitiously handling pivotal design support and administrative tasks.

Diligently assisted with website creation ,digital marketing ,and analytics .Excelled at collaborating on critical projects and document drafts .

CONTACT

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EDUCATION

SCHOOL NAME-kashibati Vivekananda vidyapith
With 97.6 % in higher secondary examination
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COLLEGE NAME-Coochbehar government engineering college
B.Tech in computer science and engineering
With 9.6 CGPA in 1st year
From 2022 to 2026 batch

WORK EXPERIENCE

COMPANY -RCLD private limited
JOB TITILE-intern
Date from-09/23-05/24

RESPONSIBILITIES

- Worked on a team to develop a predictive model using Python and TensorFlow, achieving an accuracy increase of 25% compared to the existing model.
- Designed and implemented a natural language processing (NLP) pipeline for text classification, resulting in a 30% reduction in manual processing time.
- Collaborated with data scientists to analyze and visualize large datasets, identifying key insights and trends.
- Contributed to the development of a computer vision project, utilizing OpenCV and PyTorch to achieve a 90% accuracy in object detection.
- Implemented automation scripts using Docker and Kubernetes, reducing model deployment time by 50%.

Skills Utilized:

- Programming languages: Python, Java
- AI/ML frameworks: TensorFlow, PyTorch
- Data analysis and visualization tools: NumPy, Pandas, Matplotlib, Seaborn
- Cloud platforms: AWS
- Version control: Git
-NLP
-LLM
-Langchain
-Generative AI
-Deep Learning
-Computer vision
-image processing

Key Accomplishments:

- Successfully deployed models to production, resulting in significant improvements in prediction accuracy and process efficiency.
- Developed strong understanding of AI/ML concepts, including supervised and unsupervised learning, neural networks, and deep learning.
- Effectively communicated technical results and insights to both technical and non-technical stakeholder.

SKILLS

1. Programming skills: Proficiency in languages like Python, Java, C++, and R.
2. Machine learning frameworks: Knowledge of TensorFlow, PyTorch, Scikit-learn, and Keras.
3. Mathematics: Strong understanding of linear algebra, calculus, probability, and statistics.
4. Data structures: Familiarity with data structures like arrays, linked lists, trees, and graphs.
5. Algorithms: Understanding of algorithms like supervised and unsupervised learning, neural networks, and deep learning.
6. Data analysis: Ability to work with large datasets, data preprocessing, and data visualization.
7. Model evaluation: Knowledge of metrics and techniques for evaluating model performance.
8. Cloud computing: Experience with cloud platforms like AWS, Google Cloud, or Azure.
9. Communication skills: Ability to explain complex technical concepts to non-technical stakeholders.
10. Collaboration: Experience working with cross-functional teams, including data scientists, product managers, and engineers.
11. Version control: Proficiency with version control systems like Git and SVN.
12. Automation: Knowledge of automation tools like Docker, Kubernetes, and Apache Airflow.

Some nice-to-have skills include:

- Domain expertise: Knowledge of a specific domain like computer vision, natural language processing, or robotics.
- Business acumen: Understanding of business operations and the ability to identify opportunities for AI/ML applications.
- Ethics: Familiarity with AI/ML ethics and fairness, and the ability to design ethical AI systems.
- Explainability: Knowledge of techniques for explaining AI/ML model decisions and actions.