SEMIL P

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OBJECTIVE

Machine Learning Engineer with expertise in Python, data analysis, and AI development. I am skilled in natural language processing, computer vision, and Azure ML Studio for model deployment and optimization. Passionate about building scalable AI solutions and driving innovation in dynamic environments.

WORK EXPERIENCE

Machine learning Engineer, AK Technologies   Sep 2024-Present

- Developing and deploying computer vision-based systems on Microsoft Azure for real-time analysis, while designing scalable cloud solutions using Azure AI and ML services. Collaborating with teams to build analytics tools, focusing on model optimization and deployment pipelines.

AI Engineer Intern, DigitalGarage Pvt.Ltd   Mar 2024 – Aug 2024

- Focused on machine learning model development and optimization.
- Acquired proficiency in Python, TensorFlow, and data analysis techniques.
- Collaborated on AI-based problem-solving initiatives and evaluated model performance.

Data Science Intern,Shiash info solutions Pvt.Ltd   Feb 2024 - May 2024

- Engaged in multi-source data collection and analysis.
- Built visual aids for data interpretation using seaborn.
- Analyzed real-time business data.

EDUCATION

BTech in Artificial Intelligence and data science - 8.2 GPA   July 2020- May 2024

Arjun college of Technology

HSC - 67%   Jan 2019 - March 2020

Tagore higher secondary school

PROJECT

Multiple Eye disease detection system using convolutional neutral network
- Using CNN algorithm,we predict the eye disease using a mobile application with the use of mobile camera.

Detection of DDOS Attack in SDN by ML
- Developed ML-based DDoS attack detection for SDN, bolstering network security. Proficient in leveraging shortlisting in talent acquisition processes.

Influencer user founding in Twitter(X) by data analytics
- Utilized Python and Tweepy to programmatically identify and analyze influential Twitter users, employing the such as impact of targeted influencer discovery.

SKILLS

- **AI & Data Science**: Machine Learning, Deep Learning, Natural Language Processing, Data Analysis, Data Visualization, Statistical Analysis
- **Programming Languages:** Python, SQL, MongoDB
- **Soft Skills:** Problem Solving, Communication, Teamwork, Time Management, Adaptability
- **AI & DS Tools:** TensorFlow, Keras, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

CERTIFICATIONS

- IBM Professional AI developer| Coursera

- Data Science with Python | Great Learning
- AI & ML | Learn and Build
- Python Core | SoloLearn
- Data Science | Verzo Edutech

LANGUAGES:

- Tamil
- English