Govindgari Sai Srushik

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Having an extensive project work experience in Machine Learning & Deep Learning and currently upskilling in Language Modelling & Generative AI. Also possess a versatile skillset encompassing expertise in Machine Learning & also in Software Engineering which allows to develop innovative solutions which can benefit the company in multiple roles. Recognized amongst peers for Professionalism, dedication on work and being optimistic. Consistency and Constant Research are the major strengths.

Education

Vellore Institute of Technology (VIT-AP), India   **(CGPA: 8.57/10)**
B. Tech Computer Science and Engineering Specialization in Artificial Intelligence and Machine Learning. (Currently in 4th year).
Academic Courses: Data Structures & Algorithms, Artificial Intelligence, Machine Learning, Deep Learning, Python, Java, DBMS.
Pine Grove College, India   **(Percentage: 97%)**
Higher Secondary
Related courses: Math, Physics, Chemistry

Skills

Programming Languages: Python, Java.
Frontend: HTML5, CSS, JavaScript, ReactJs.
Backend: NodeJs, Structured Query Language (SQL), No-SQL.
ML/Data Science: Machine Learning, Deep Learning, Natural Language Processing, Data Visualization, NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Tensorflow, Pytorch, Azure AI.
Deployment: Flask, Streamlit.
Soft Skills: Team Work, Problem Solving, Time Management, Decision Making, Collaborative & Innovative mindset.
Developer Tools: Command Line Interface, Git, GitHub.

Workshops/ Trainings

Attendee – ACM Winter School, IIT Patna (18th Dec 2023 – 29th Dec2023)

- Workshop was conducted on the topic 'Recent Trends in AI/ML for Industry 4.0.' Gained Insights on Research Advancements on ML & NLP and Exposed to the Advanced AI Topics.
- Trained with Hands-On learning in Exploratory Data Analysis, ML Models & Language Models.

Externship Program – SmartInternz (Aug' 2023 – Nov' 2023)

- A Team Collaborative project aimed to Develop an AI Model for health-care.
- Worked on 'Disease Diagnosis using Human Nails.' – Tensorflow, Keras, Flask, Agile Methodology, Team Work, Decision Making, Communication.

Research Work

- **Hybrid Intelligent Systems-2023** (HIS2023) **– Springer** International Conference
  - Paper Titled with "**Pneumonia Disease Prediction using VGG19 Architecture**".
  - Novelty of paper is to use the Callback APIs like EarlyStopping, ReduceLROnPlateau to reduce the overfitting and alter the Learning Rate to increase the efficiency of the model.

Projects

- **Pneumonia Disease prediction**
  - A model was designed using VGG19 Architecture. Adapted Transfer-Learning Models & Fine-Tunning Techniques to get better accuracy.
  - Achieved a potential Accuracy of 95.35%. – Deep Learning, Research Skills.
- **Disease Diagnosis using Human Nails**
  - An AI model was developed by leveraging the power of CNN & Transfer Learning models. The model has achieved a nominal accuracy of 89.23%.
  - Model has the good ratio over F1-score, precession, and recall of confusion matrix. – Deep Learning, Flask, Agile Methodology.

- ➤ **Financial Complaint Summarization**
    - A Novel Hybrid Model was developed using Extractive (BERT) – Abstractive (T5) Summarization Models. A Language Model that can adopt the capabilities of Q-Learning.
    - The Quality of Summarization Models was Evaluated by ROUGE Score Metrics (ROUGE-1), 90.60(Extractive) & 80.40 (Abstractive) – Text Preprocessing, Word Embeddings, Statistical Analysis, Pytorch, Transformers, Language Modelling, OpenAI, Hugging Face.
- ➤ **Twitter Clone Application (Backend)**
    - A backend Application Developed using NodeJs. This Application includes various APIs based on CRUD operations. – NodeJs, ExpressJs, SQL.
- ➤ **NxtTrendz – Ecommerce Application (Frontend)**
    - A Frontend Ecommerce Application is Developed using ReactJS framework by maintaining industry standards like code readability & reliability.
    - Major features include, User Authentication, user Authorization to prime deals, adding product filters & search, Cart feature. – ReactJs.

Course Work/ Certifications

- ➤ Microsoft Certified **Azure AI Fundamentals (AI-900)**.
- ➤ Externship Completion Certification by **SmartInternz**.
- ➤ Internship Completion Certification by **Ethnus.**
- ➤ Journey to Cloud: Envisioning Your Solution by **IBM Skills Build.**
- ➤ Getting Started with Enterprise Data Science by **IBM Skills Build.**
- ➤ Fundamentals of Deep Learning by **Nvidia.**
- ➤ Deep Learning with Pytorch by **Coursera.**
- ➤ Machine Learning with Python by **IBM (Edx).**
- ➤ Pytorch Basics for Machine Learning by **IBM (Edx).**
- ➤ Python Essentials for MLOPS by **Pragmatic Labs (Edx).**
- ➤ SQL (Basic & Intermediate) by **HackerRank.**
- ➤ MERN – Full Stack Certifications by **Nxtwave.**

Extra & Co Curricular

- ➤ Board Member at Machine learning club
    - Served as member for this non-profit Organization with more than 400+ recruited members.
    - My Team and me worked on ML learn program which enables to improve knowledge on AI and ML.
- ➤ Performed as a Coordinator of Design Team for VITOPIA (Cultural Event) in my university.
- ➤ Participated In Microsoft AI Skills Challenge 2024 and Acquired Skills in Azure AI. (AI-900, Azure AI Fundamentals).
- ➤ My Interests Includes Cooking, Movies, and Holiday Trips.

I hereby declare all the above information is true.

*** Best Thing that you can give to Yourself is, Positivity and Self -Confidence. ***