

Jyothir Raghavalu Bhogi

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PROFILE

Aspiring Machine Learning Engineer with practical experience in AI model development, data analysis, and algorithm optimization. Proficient in Python, TensorFlow, and Scikit-learn, with a strong foundation in data preprocessing, model tuning, and predictive analytics. Passionate about applying AI research to real-world problems while excelling in collaborative, agile environments.

EDUCATION

Lovely Professional University

Punjab, India

Bachelor of Technology in Computer Science and Engineering (2022 – 2026)

- Relevant coursework in AI & Machine Learning
- CGPA: 7.00

SKILLS

Languages: Python, C++, JavaScript, SQL

AI/ML Tools: TensorFlow, Scikit-learn, Pandas, NumPy, NLP, Time Series Analysis, Anomaly Detection

Frameworks & Technologies: FastAPI, Flask, Node.js, React.js

Development Tools: SQL, Power BI, Git

Core Competencies: Model Design, Data Processing, AI Solution Building, Agile Practices, Problem-Solving

CERTIFICATIONS

- Generative AI with Large Language Models – DeepLearning.AI
- Introduction to Large Language Models – Google Cloud
- Machine Learning & Data Science – Cipher Schools
- Algorithms Specialization – Stanford University (Coursera)
- Python Programming Certificate – Guvi

EXPERIENCE

Software Engineering Intern

Y-Hills Learning – Remote (Jan 2023 – Mar 2023)

- Designed end-to-end AI solutions, integrating advanced frameworks for scalable deployment.
- Improved model efficiency by 30% through advanced debugging techniques.
- Implemented Agile practices (JIRA) to ensure efficient feature delivery and iterative development.

Data Analyst Intern

Up-skillz Learning – Bangalore, India (Feb 2023 – Apr 2023)

- Analyzed large datasets using Python and SQL to extract actionable insights.
- Developed time series forecasting models with 89% accuracy for business applications.
- Created interactive dashboards in Power BI, enhancing decision-making and business intelligence.

PROJECTS

LLM Approach for Identifying Social Goods (July 2024 – Aug 2024)

- Engineered an AI-based system leveraging Large Language Models (LLMs) to identify and support social impact initiatives in India.
- Improved decision-making through multilingual and regional issue identification, delivering 87% accurate insights.

- Tech Stack: LLMs, NLP, Python, Agile Tools (JIRA)

COVID-19 Prediction Model (*July 2024 – Aug 2024*)

- Developed a forecasting model to predict Covid-19 progression using key variables like mobility trends and government interventions.
- Achieved 89% accuracy in forecasting Covid-19 cases by optimizing model parameters and applying advanced data preprocessing.
- Tech Stack: Python, Scikit-learn, Pandas

Mall Visitor Demographics Using AI/ML (*July 2024 – Aug 2024*)

- Designed an ML model to analyze visitor demographics and forecast consumer behavior, enhancing marketing strategies.
- Improved customer behavior predictions with 88% accuracy by employing feature engineering and model tuning.
- Tech Stack: Python, Scikit-learn, Pandas

Movie Recommendation System (*Oct 2022 – Dec 2023*)

- Created a recommendation platform that predicts user preferences using machine learning algorithms.
- Increased recommendation accuracy by 85% through enhanced data preprocessing and personalized model adjustments.
- Published a research paper documenting algorithm optimization and its impact on user-centric recommendations.
- Tech Stack: Python, Scikit-learn, Pandas, NumPy

ACHIEVEMENTS

- Published 2 Research Papers on AI-based Social Goods Identification and Movie Recommendation Systems.
- Established a 2500+ member LinkedIn community focused on AI and software engineering.

ADDITIONAL INFORMATION

- **Interest Areas:** Machine Learning Model Development, Data Preprocessing, and Real-World AI Applications
- **Collaboration Style:** Detail-oriented, proactive, and adaptable in fast-paced, research-driven environments