

SHRESHTH KATYAYAN

Patna, Bihar • 9263438741 • shreshth.k.dev@gmail.com

www.linkedin.com/in/devshreshth-codes <https://github.com/Slythazard>

TECHNICAL SKILLS

- Programming Languages: **C, Python, Java, C++ ,JavaScript**
- Web & Backend Development: **Flask, Django, React.js, Plotly.js, HTML, CSS**
- Databases & Cloud: **PostgreSQL, SQLite, MongoDB, Flask-SQLAlchemy, AWS Serverless(Fargate, Lambda), Docker (Containerization)**
- Machine Learning & Data Analysis: **NumPy, Pandas, Scikit-learn, TensorFlow, Keras, PyTorch, OpenCV, NLTK, spaCy, Hugging Face, Data Visualization(Matplotlib, Seaborn, Plotly), llama LLM, Finetuning Models, ML pipelines, Data Cleaning**
- Version Control: **Git, Github**

WORK EXPERIENCE

DATA SCIENCE INTERN(Jan 2025 - Present)

(Sabudh Foundation)

- Implemented 10+ ML algorithms across 5+ projects, achieving an 85% accuracy in customer churn prediction.
- Automated Python workflows for 1,000+ structured datasets, reducing preprocessing time by 20%.
- Produced CNN/RNN models (TensorFlow) for image classification, achieving 88% validation accuracy.
- Processed 500+ GB of data using PySpark, optimizing runtime by 15% through code refactoring.
- Implemented NLP solutions with NLTK (sentiment analysis, text classification), reaching 82% accuracy.
- Built a custom chatbot integrating RAG (Retrieval-Augmented Generation) with Watson and Weaviate services, increasing user engagement by 35% and improving answer accuracy by 20%.

CAMPUS AMBASSADOR(Nov 2024 - Present)

(Internshala)

- led efforts for student engagement and digital growth, utilizing outreach, partnership-building, and creative digital marketing to achieve 95%+ engagement rates, 40% community expansion, and a 25% increase in platform registrations.

PROJECTS

CRYPTOCAST/BITNAXRA(Sep 2023 - Nov 2023)

- Developed a cryptocurrency analysis tool using Python, TensorFlow, and NLP, reducing user analysis time by 20 hours/month.
- Engineered ML models (LSTM, ARIMA) for price prediction, achieving 25% higher accuracy and 20% boost in profitable investments.
- Combined fake news detection system (85% accuracy) with NLTK, enhancing market transparency.
- Integrated educational content on trading strategies, improving 30% of users' decision-making.
- **Tech: Python, Flask, JavaScript, TensorFlow, RESTful API, WebSocket, Asynchronous Programming, Threading, Plotly.js, Financial Analytics, Docker, AWS S3, AWS Fargate**

REVDAR(April 2024 - July 2024)

- Automated EDA and data cleaning using Python, Pandas, and Scikit-learn, reducing analysis time by 50% and errors by 25%.
- Enhanced sales forecast accuracy by 15% with advanced visualizations (Matplotlib, Seaborn), enabling 60% more data-driven decisions.
- **Tech: Flask, YData Profiling, HTML/CSS, JavaScript, TensorFlow, RESTful API, WebSocket, Asynchronous Programming, Threading, Plotly.js, Financial Analytics, Docker, AWS S3, AWS Fargate**

M-SAARTHI(Mar 2024 - July 2024)

(Proposed for Smart India Hackathon 2024)

- Designed multimodal transport planning tool using Dijkstra's, A*, and Genetic Algorithms (Python, Leaflet.js).
- Streamlined route optimization and one-stop booking via integrated APIs (Google Maps, OpenStreetMap).

EDUCATION

Vellore Institute of Technology(Nov 2022 -Present)

- Bachelor of Technology (B.Tech) in Computer Science (E-commerce Technology, AI, and Machine Learning)
- SGPA: 8.1

CERTIFICATIONS

- Fundamentals of AI and ML – Vityarthi
- Machine Learning Certification Course (Qualifying Score: 98%)
- Industrial IoT Markets and Security – Coursera
- Management and Design of Supply Chain Management – NPTEL

ADDITIONAL INFORMATION

Awards/Activities:

- Secured selection for idea presentation at Advolution3.0, showcasing innovative project solutions.
- Advanced through college internal rounds of Smart India Hackathon with a proposed tech solution.
- Qualified till Round 2 of EY Techathon 5.0, demonstrating strong technical and problem-solving skills.