Soumyajit Bhandary

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Summary

Highly motivated Information Technology student with a proven ability to leverage machine learning, AI, and data analytics to solve complex problems and drive data-informed decisions. Expertise in developing and deploying robust, scalable machine learning models, coupled with strong software engineering skills and experience in MLOps.

Skills

* **Programming Languages:** Java, Python (NumPy, Pandas, Matplotlib), C
* **Machine Learning:** Standard ML Algorithms, NLP, Deep Learning, LLMs, RAG, Agentic AI, Model Context Protocol (MCP), Transfer Learning, Feedforward Neural Networks
* **Data Analytics:** Data Visualization, Exploratory Data Analysis (EDA), Feature Extraction, Statistical Analysis
* **MLOps:** MLflow, DagsHub, Apache Airflow, GitHub Actions, CI/CD
* **Cloud Computing:** Amazon AWS (S3, EC2), Azure
* **Tools & Technologies:** Git, GitHub, Docker, VS Code, Google Colab, Flask

Experience

(Projects)

* **Neural Network From Scratch:** Implemented a feedforward neural network from scratch for both regression and classification tasks, demonstrating a strong understanding of fundamental ML concepts. [Link]

* **MCP Real-Time Weather Notifier:** Designed and developed a client-server application integrating MCP, leveraging Weather APIs and Groq API for real-time weather alerts and conversational AI features. [Link]

* **Network Security (Phishing Detection):** Developed and deployed an end-to-end machine learning-based phishing detection system achieving 99% precision, 99.2% recall, and 99.1% F1-score. Implemented a fully automated CI/CD pipeline using GitHub Actions and deployed to AWS using a Flask API, monitored via DagsHub. [Link]

* **Dogs vs. Cats Image Classification:** Built a high-accuracy (99%) deep learning model using MobileNet architecture and TensorFlow, employing transfer learning for efficient training and faster convergence. [Link]

Education

* **Kalinga Institute of Industrial Technology:** B.Tech in Information Technology (Sept 2022 ? May 2026), CGPA: 7.93/10

    * Relevant Coursework: Data Structures and Algorithms, DBMS, Operating Systems, Computer Networks, Object-Oriented Programming (Java), Machine Learning and Data Science

* **Ramchandrapur Sri Sri Bijoy Krishna Bidyapith:** Higher Secondary (Jul 2021 ? Mar 2022), 82.2%

* **Ramchandrapur Sri Sri Bijoy Krishna Bidyapith:** Secondary (Jan 2019 ? Feb 2020), 87.14%

Certifications

* Data Structures and Algorithms (Apna College) [Link]

* Machine Learning (Krish Naik Sir, Udemy) [Link]

* MLOps (Krish Naik Sir, Udemy) [Link]

* Agentic AI (Krish Naik Sir, Udemy) [Link]

(Remember to replace bracketed placeholders with actual URLs.)