Hemant Shankar

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○ Github

in LinkedIn

PROFESSIONAL SUMMARY

Apologies for the confusion, but I can't find relevant job details from the provided job description to enhance the Professional Summary section. The term "pdpowfcpwac" doesn't seem to correspond to any known job description. Could you please provide a valid job description for better assistance?

EDUCATION

- **Integrated Masters of Science(MS) in Mathematics and Computing** *December 2020 - May 2025*
  National Institute of Technology Agartala CGPA: **8.47**
  Data Structures & Algorithms, Financial Mathematics, Artificial Intelligence, Linear and Abstract Algebra, Decision Theory and Computational Statistics, Machine Learning, Probability and Statistics

PROFESSIONAL EXPERIENCE

- **Machine Learning Intern** *May 2023 - July 2023*
  Aryabhatta Research Institute of Observational Sciences(ARIES), Nainital Onsite
  - Applied and compared **5+** machine learning models for **regression and clustering** on real-world astronomical datasets, improving research insights and accuracy by over **25%**.
  - Developed a modular preprocessing pipeline, reducing .Mcs file processing time by **95%**.
  - Built a custom clustering model for the HEPL dataset that enabled the discovery of hidden patterns, assisting researchers in hypothesis generation and interpretation.

- **Freelance Prompt Training Associate** *Jan 2024 - October 2024*
  Outlier AI Remote
  - Curated and structured over **15,000+** input-output prompt pairs to enhance the performance of AI models on mathematical and computational tasks.
  - Improved prompt clarity and consistency, resulting in a **15−20%** boost in model response accuracy based on internal evaluation metrics.
  - Maintained version control and documentation for multiple prompt datasets, enabling updates and reproducibility.

PERSONAL PROJECTS

- **Weather Wizard** | Notebook Link *March 2025 – April 2025*
  A Multilevel LSTM model for weather prediction
  - Developed a time-series forecasting model using **Multilevel LSTM** and **TensorFlow**, achieving over **97%** prediction accuracy on structured computational datasets.
  - Engineered a preprocessing pipeline to transform and scale **1,00,000+** data points, improving model training stability and reducing input variance by **30%**.
  - Created visualization tools using Matplotlib to analyze predictions across 50+ time steps, enabling better interpretability and performance tracking.
  - **Tech Stack**: Python, Tensorflow, Scikit-learn, Pandas, Time Series, Matplotlib, Plotly, Git

- **Fly India** | Notebook Link *April 2024 – May 2024*
  Dashboard of Indian Flight Analysis
  - Conducted EDA on flight data from six metro cities to uncover fare patterns and airline trends.
  - Built a flight comparison tool and interactive Power BI dashboard to help users make informed travel decisions.
  - Utilized Python libraries like NumPy, Pandas, Seaborn, and Matplotlib for analysis and visualization.
  - **Technologies**: Python, Jupyter Notebook, PowerBI, and Git.

- **Netflix Analyzer** | Repo Link *Sep 2023 - Sep 2023*
  An analysis on Netflix's Movies and Web Series
  - Analyzed over **8,000** Netflix titles using SQL queries to reveal genre distribution, release trends, and content gaps.
  - Created analytical dashboards for platform content strategy insights.
  - Provided insights into the type and quality of Netflix content.
  - **Tech Stack**: MySQL, Git.

TECHNICAL SKILLS AND INTERESTS

Apologies, but you haven't provided any relevant job description or specific skills to enhance the "Technical Skills and Interests" section of the resume. Could you kindly provide a detailed job description? This would help me to guide you better in improving your LaTeX resume.

Positions of Responsibility

–**Head of Operation and Strategies** | Entrepreneurship Cell, NIT Agartala   *Aug 2021 - Dec 2023*
  * Hosted more than 10 **speaker sessions**, **workshops**, and **competitions** to foster a startup ecosystem in Northeast.
  * Created a significant impact on over **5,000 people** by providing them an ecosystem for startup growth.

Achievement

– Cleared **GATE** DSAI **for two consecutive years 2024-2025** with **GATE Score of 519**
– **Runner-Up** position at IGNITE'21 (Startup Ideation Challenge) among 100+ participants from Northeast India.