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SUMMARY: Experienced data scientist who has developed and deployed ML models. Skilled in transforming ideas into practical solutions. Looking for an internship starting Fall to apply my skill set.

EDUCATION:

Rochester Institute of Technology, Rochester, NY	Master of Science in Data Science (GPA: 3.9)	Expected May 2025
Symbiosis Skills and Professional University, Pune	Post Graduation Diploma, Data Science (GPA: 3.828)	May 2023
K.K Wagh Arts, Commerce, Science & CS, Nashik	Bachelor of Science, Computer Science (GPA: 3.736)	April 2022

SKILLS:

Programming Languages: Java, Python, C++, JavaScript, Node.js, PHP, Bash
Databases: SQL, MySQL, MongoDB, Neo4j, Redis
DevOps: Docker, Heroku
Tools: Stripe, Jira, Git
Operating Systems: Linux/UNIX, Windows, MacOS

WORK EXPERIENCE:

Marvai.ai LLP **AI/ML Engineer Intern** **June – Aug 2023**
- Designed and integrated Ichimoku Cloud strategies for technical analysis, resulting in a 20% improvement in buy/sell signal reliability
- Conducted hyperparameter tuning, cross-validation on LSTM models, achieving a significant reduction in mean absolute error (MAE).
- NLP techniques with FinBERT to analyze and extract sentiment from financial news articles, enhancing stock prediction accuracy by 15%.
- Created interactive data visualizations using Plotly and Dash to display real-time stock predictions and sentiment analysis

Technologies Used: TensorFlow, AWS SageMaker, FinBERT, Docker, Kubernetes, AWS EC2, AWS Lambda, Plotly, Dash, Jenkins, GitHub Actions, Python

Knowledge Solutions India with Microsoft Partner **ML Research Intern** **Sep – Nov 2021**
- Developed an ML pipeline using Python and scikit-learn to process and analyze over 500,000 insurance claims for cost prediction accuracy.
- Implemented and fine-tuned various regression models, including XGBoost and Random Forest, achieving a significant reduction in errors.
- Utilized PySpark to preprocess and clean 2TB of historical claims data, improving data quality and reducing processing time by 40%.
- Leveraged Git for version control and participated in daily stand-ups and bi-weekly sprint planning using Agile methodologies.
- Created interactive dashboards using PowerBI to visualize model results and key performance indicators

Technologies Used: PySpark, Python, scikit-learn, PowerBI, Pandas, NumPy, SQL, Jupyter Notebooks, JIRA

Laugh Out Loud Ventures Pvt. Ltd. **Sales Intern** **Feb – March 2020**
- Led sales team and pivoted strategies for digital advertising during the pandemic, resulting in increased education course sales.
- Developed and implemented digital marketing campaigns, using platforms such as Google and Facebook Ads to reach target demographics.

Technologies Used: Google Analytics, CRM software, Digital advertising platforms (Google Ads, Facebook Ads), SEO tools, Email software

PERSONAL PROJECTS:

LLM Chatbot
- Used LangChain for intelligent text chunking, OepnAI API for text embeddings.
- Stored embeddings in a Supabase vector database for similarity search.
- Designed scalable architecture for large text data handling and managed environment variables for secure configuration.

Technologies Used: Node.js, LangChain, OpenAI API, Supabase, dotenv

GPT Language Model
- Developed a GPT language model from scratch using PyTorch.
- Implemented CUDA for efficient GPU computation and integrated token and position embeddings for input representation
- Trained the model using cross-entropy loss for next token prediction with enabled autoregressive text generation from trained model.

Technologies Used: Python, PyTorch, CUDA, Jupyter Notebook, numpy

ACADEMIC PROJECTS:

Eventful Mongoers (Technologies Used: Python, Flask, Node.js, AJAX, HTML, CSS, Mapbox, MongoDB, GridFS)
- Loaded NYC Parks events dataset into a MongoDB database.
- Created a web interface for event search and viewing with both text and map-based searches for events.
- Implemented MongoDB authentication and permission setup with Flask and AJAX for backend communication and HTML rendering.
- Integrated Mapbox for interactive event location maps and optimized data loading to handle large image sets without crashes.

Car Sales Management (Technologies Used: Javascript, PHP, SQL)
- Developed a frontend car sales management system with an admin backend which tracked sales transactions and generated reports for sales.
- Secured system access with user authentication and role-based permissions.