

ADITI DEODHAR

Located in Boston, MA, but, willing to relocate ; looking for full-time roles starting 2025

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About me

Experienced Software Engineer and 2x AWS Certified proficient in Python, SQL, NLP, and GenAI looking to transition into the dynamic field of DS/ML. Skilled in effective communication, attention to detail, problem-solving, and adaptability, I excel in both collaborative team settings and independent work environments.

Education

Northeastern University

Master of Science in Computer Software Engineering

Sep 2023 – Expected Dec 2025

Boston, MA

Savitribai Phule Pune University

Bachelors of Engineering in Electronics and Telecommunication

Aug 2017 – Jul 2021

Pune, India

Technical Skills and Certifications

Languages and Frameworks: Python, R, SQL, Java

Developer Tools: VS Code, Jupyter Notebook, SQL Server, Power BI, Tableau, Git, GitHub

Libraries: Numpy, Pandas, Scikit-learn, Matplotlib, Seaborn, PyTorch, SciPy, PySpark, Tensorflow

Datascience: Bayesian Statistics, Statistical Modeling, A/B testing, Linear Algebra, Causal Inference

Professional Experience

Jutly Inc. | *Python, Laravel, Herd, PHP, Langchain, OpenAI, LLMs, RAG*

AI Engineer Co-Op

Sept 2024 – Dec 2024

Cambridge, MA

- Evaluated new AI technologies such as LangGraph, and LangChain to identify possible integration with existing product
- Developed and implemented prototypes utilizing LangChain leading to a 20% increase in efficiency
- Designed and implemented multi-agent workflows using LangGraph, Flowise, and LangChain, achieving seamless integration with PHP-based systems and improving simulation adaptability by 25%.
- Streamlined development environment by Dockerizing the application setup, reducing onboarding time by 30% and ensuring consistency across teams.

Persistent Systems Ltd | *Java, SQL, Scala, SDLC (Agile-Kanban)*

Software Engineer (Healthcare domain)

Aug 2021 – Jul 2023

Pune, India

- Implemented password encryption in a client application's database and property files, reducing the risk of data breaches by 50%, achieving industry-standard security compliance
- Researched and developed solutions to enhance the application's compatibility with the latest Java versions, resulting in successful deployment on both Java 15 and Java 17 platforms, ensuring seamless operation across multiple Java environments
- Elevated the standard command line installer of the application to an intuitive InstallShield GUI installer, thereby enhancing the user experience and reduced installation time

Projects

Apartment Listing System | *SQL, SQL Server, JavaScript, Power BI*

Apr 2024

- Implemented SQL queries to create comprehensive database, and generated synthetic data to be stored
- Optimized stored procedures and functions to perform detailed data analysis
- Created an interactive Power BI dashboard to present the findings, enhancing data-driven decision-making

MediPedia:Chatbot | *Python, Llama2 LLM, LangChain, Hugging Face, FAISS vector database*

Feb 2024

- Developed a medical chatbot utilizing open-source technologies and a QA retrieval chain, enabling the chatbot to deliver accurate responses with a 95 % success rate.
- Implemented ingestion pipeline to process medical documents, achieving over 10,000 document processing with a comprehensive vector database containing over 1 million vectors

Awards and Achievements

- Presented a research paper on Context-Based Email Ranking System for Enterprise at the 2021 IEEE 2nd International Conference on TEMSMET, later published in IEEE Xplore
- GHC'24 Scholarship Recipient
- AWS AI/ML Scholarship Recipient