

Lisha Ahuja

📞 9644740102 — ✉ ahujalisha20@gmail.com — 🔗 [linkedin.com/in/lishaa100](https://www.linkedin.com/in/lishaa100)

Diligent and solution-oriented Software Engineer with 3 years of experience in full-stack Python development and involvement in applied research projects. Proficient in developing scalable software solutions using modern frontend and backend technologies. Strong interest in emerging technologies, with experience working on AI/ML projects, with hands-on experience in leveraging Large Language Models (LLMs) for data analysis and validation.

Skills

Backend Technologies

- Python, Django, Flask, REST APIs, NodeJS, Java

Generative AI Technologies & Tools

- Large Language Models (LLMs), Data Validation, Prompt Engineering, NLP, OpenAI, Langchain

Frontend Technologies

- React.js, HTML ,CSS ,JavaScript ,Tailwind CSS , TypeScript
- Analytical Thinking , Collaboration , Adaptability , Problem Solving , Research-Oriented

Experience

TCS Research (TRDDC)

07.07.2022-Present

System Engineer

- Created standard prompts for experimentation using prompt engineering to leverage results, using NLP for data preprocessing tasks.
- Contributed to research projects involving Large Language Models (LLMs), analyzing image-based inputs and evaluating result accuracy across different models.
- Developed internal tools and web applications to support software solution initiatives, focusing on usability and performance.
- Designed and implemented front-end applications using React.js,HTML5,CSS, Tailwind and modern JavaScript frameworks (like TypeScript) .
- Built and maintained RESTful APIs and microservices using Python and Django, optimizing server-side logic for better performance.
- Collaborated with cross-functional research and engineering teams to translate complex requirements into practical software solutions.
- Created CI/CD pipelines for multiple tools, and managed testing and maintenance of tools.
- Building reusable UI components and front-end libraries for streamlined development and easy deployment.

Education

Oriental Institute of Science and Technology, Bhopal (M.P.)

2018-2022

Bachelor of Technology (B.Tech) – Computer Science Engineering

Scored 9.1 CGPA

Projects

LLM Research Assistant tool

Built a full stack application integrating different LLM model along with Flask + ReactJS web based platform for contextual Q&A.

News Classification Engine

Classification engine which classifies news based on key words using pre-trained model and NLP for text pre-processing tasks.

Achievements

- Attended ISEC (Innovations in Software Engineering Conference) 2024 as part of our Research Projects.I gave the tool demo and tackled the user queries for presentation, apart from this attended several workshops and paper presentation.
- Participated in TechExpo IRC as part of TCS , our team acquired 3rd position after I demonstrated software solutions based on our research work.