





Ayush Rai

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EDUCATION

Lakshmi Narain College of Technology and Science, Bhopal Sept 2020 - July 2024
Bachelor of Technology in Computer Science and Engineering GPA: 8.47/10.0

EXPERIENCE

SDE - AI Engineer Apr. 2024 - Present
FoCDoT Technologies Pvt. Ltd Bhopal, India

- Specialised in Reinforcement Learning from Human Feedback (RLHF), I actively contribute to optimizing AI models through human-centred feedback mechanisms accordingly for the clients requirements.
- Conducted in-depth analysis of STEM topics and complex coding challenges, ensuring data accuracy and contextual relevance across diverse use cases.
- Assessed AI-generated solutions, providing structured feedback and ranking outputs to enhance model reliability and performance for clients such as Turing, OpenAI, ScaleAI and Outlier.
- Tested, and debugged AI responses, directly improving user experience and system efficiency through strategic decision-making and coding expertise.

Generative AI Engineer Dec. 2024 - Present
Outlier Remote - Freelance

- Developed and optimized training datasets for large language models, focusing on code generation, analysis, and validation.
- Designed and implemented advanced prompting strategies to enhance model reasoning and contextual accuracy across Python and JavaScript.
- Conducted extensive code reviews, testing, debugging, and error analysis to refine AI-generated solutions and ensure adherence to best coding practices.
- Utilized machine learning libraries and frameworks to preprocess, validate, and optimize AI-generated outputs for improved performance.

PROJECTS

Stock Price Analysis March 2023 - July 2023
Personal Project [Link](#)

- Developed Stock Market Analysis project using **Python, pandas, matplotlib, numpy, plotly**, and to forecast trends using Google, Microsoft, IBM, and Amazon data (2006–2018).
- Conducted in-depth data analysis, including descriptive stats, distribution, correlation, and visualization of stock.
- Implemented **LSTM** and **GRU** models for accurate time series forecasting, overcoming fitting issues for predictions.
- Future plans include developing a Flask or Streamlit web app for wider accessibility.

Iha-By-Himani January 2023 - February 2023
Freelance Project [Link](#)

- Proficient in React, and TypeScript, with expertise in creating dynamic and static web applications.
- Demonstrated ability to develop responsive and user-friendly interfaces using React.js.
- Utilized CSS Modules, JSON content management, and React hooks to create dynamic UI with captivating CSS for client's Art studio.

TECHNICAL SKILLS

GenAI: Python | SQL | RAG | AI development | LLMs | Prompt Engineering
Tools: VS code | Git/Github | PostgreSQL
Coursework: OS | DBMS | CN
Web Dev: HTML | CSS| JavaScript | React
Soft Skills: Problem Solving | Communication | Leadership | Team Management

ACHIEVEMENTS

30 Days of Cloud	Google Cloud Challenge on various tools	2021	Link
CyberOps Associate	Learnt CyberOps on Cisco Acedemy	2022	Link
Digital 101	Mastered industry training on FutureSkills prime	2021	
Git from Basics to Advanced	Improved Knowledge of Git and Github by Udemy	2022	Link
Foundations: Data, Every-where	Completed Course on Data Science Foundation	2022	Link

POSITIONS OF RESPONSIBILITY

Social Media Manager, Kanha House, IIT Madras: July 2022 - 2023 | [Link](#)
Content Writing, Poster Designing, SEO

Member, We Care-NGO: Jun 2022- Jan 2023 | [Link](#)
Management, Teaching, Social Work