

Anuj Dwivedi

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Professional Summary

I am an **Artificial Intelligence Engineer** with a proven track record of developing and implementing innovative web solutions. My experience spans dynamic projects where I contributed significantly to **product development**, especially in areas such as **scalable applications** and **generative AI**. I thrive on solving complex problems and working collaboratively with cross-functional teams to create impactful solutions. With a strong passion for continuous learning and the application of new technologies, I am eager to contribute to projects that harness the power of **AI** to drive meaningful real-world change.

Education

LeTourneau University, Longview - Texas , USA

May 2024

Semester Abroad Specialization - Artificial Intelligence and Cryptography

- GPA: 4.0 Transcript
- **Relevant Coursework:** Machine Learning Algorithms, Cryptography, AI and Ethics, Generative AI

Dayananda Sagar University, Bengaluru, India

Expected June 2025

Bachelor of Computer Science, Artificial Intelligence and Machine Learning

- CGPA: 8.7
- **Relevant Coursework:** Data Science, Natural Language Processing, Advanced Deep Learning

Experience

Artificial Intelligence Engineer, *Orbiself* – Bengaluru, Karnataka, India (On site)

Oct 2024 – Jan 2025

- Developed **AI-driven knowledge management systems** using **FastAPI** and **Neo4j**.
- Built responsive **full-stack applications** with **React.js** and optimized data management using **SQL**.
- Led the integration of **knowledge engineering techniques** to enhance **AI model performance**.
- Collaborated with cross-functional teams to refine **AI algorithms**, boosting product outcomes.

Generative AI Intern, *igebra.ai* – Remote

Jun 2024 – Oct 2024

- Contributed to the development of **generative AI models** for media and education using **Python** and **FastAPI**.
- Designed **AI features** for real-time data processing and thus enhancing educational content.
- Developed scalable applications integrating **React.js** for frontend and **SQL** for backend functionality.
- Deployed **AI tools** to automate and optimize business processes.

Technology Lead, *TuringThoughts* – Bengaluru, Karnataka, India

Jan 2023 – Dec 2023

- Spearheaded the AI product development roadmap, focusing on **machine learning** and **data automation**.
- Led a team to implement **NLP** and **predictive analytics** models to optimize business operations.
- Ensured the alignment of **AI algorithms** with customer needs and market demands.
- Delivered scalable and secure **AI-driven products** with continuous improvements.

Student Liaison, *LeTourneau University* – On site, United States of America

Jan 2024 – May 2024

- Acted as a **liaison** between students and university administration, fostering communication and engagement.
- Coordinated **strategic communications** to ensure timely dissemination of information and updates.
- Applied **organizational leadership** to facilitate student engagement and resolve issues efficiently.

Awards and Recognitions

Certifications

- **AI For India 2.0**
Launched by the **Ministry of Skill Development and Entrepreneurship (MSDE)** and **Skill India** in collaboration with GUVI, this initiative was unveiled by the Union Education Minister of India. Designed to **advance AI proficiency**, the program featured a 1-day **virtual technical skill development event**, fostering upskilling among **emerging AI professionals** and promoting innovation in AI-driven technologies.
- **Machine Learning with Python**
A hands-on course on **machine learning concepts** and implementation using Python. Covered libraries like **NumPy**, **Pandas**, and **Scikit-learn** to develop predictive models.
- **5G Technology Strategy**
Explored strategies and **technologies** driving the evolution of **5G networks**. Focused on its role in enabling innovation and industry transformation.

National Level Recognitions

- **NASA Space App Challenge**
Developed a **full-stack AI web application** using **Flask** and **FastAPI** to **simulate eclipses**. Delivered dynamic and interactive visualizations of celestial events.
- **IEEE Hackathon: AI for Social Good**
Built an **AI-based menstrual cycle predictor** utilizing **knowledge graphs** in **Neo4j**. This solution provided **personalized health insights** to enhance women's health management.
- **Smart Nite Hackathon**
Designed an **AI-driven workload management system** for **assembly compartments**. The solution optimized **task assignments**, improving operational efficiency in industrial settings.

Projects

Chakravier - AI-Powered Strategic Platform

github.com/ANUJDWIVDI/chakravier

- Built a **comprehensive full-stack AI platform** that integrates **knowledge graphs** trained with curated datasets, including insights from **Stanford studies**, **Harvard Business Review** and **Crunchbase**.
- Designed the **founder credit score (FCS)**, a pioneering analytics tool developed with Python, FastAPI, and MongoDB Atlas, delivering contextual real-time insights.
- Developed an **AI-powered Pathmap Generator** leveraging fine-tuned GPT models to create personalized roadmaps and recommendations for startups.
- Implemented a recommendation engine using **Neo4j graph databases** and AWS Personalize to dynamically match startups with investors and collaborators.
- Hosted on **Google Cloud Vertex AI**, ensuring scalability and cost-efficiency while adhering to GDPR and CCPA compliance.

Market Segmentation Webapp

github.com/ANUJDWIVDI/marketv

- Developed a **full-stack Flask-based web application** for market segmentation using **unsupervised machine learning algorithms**.
- Empowered users to upload datasets, select features, and apply clustering techniques, generating **insights on customer purchasing behavior**.
- Leveraged advanced **data science practices** and incorporated **dynamic data visualization** with D3.js and Matplotlib.
- Ensured scalability and user accessibility by hosting on **Google Cloud Platform**.
- Delivered an intuitive front-end using **Bootstrap and JavaScript**, ensuring a seamless user experience.

Enigma Quest - Interactive IQ & Critical Thinking Analysis

github.com/ANUJDWIVDI/enigma

- Developed an **interactive web application inspired by Alan Turing, the Father of AI**, and his monumental achievement of cracking the Enigma machine.
- Hosted live events for **over 600 participants**, incorporating dynamic challenges such as riddles, quizzes, and detective scenarios to test critical thinking.
- Built with Flask, leveraging **Python for back-end processing** and **Bootstrap** for a modern, responsive UI.
- Ensured seamless participant engagement through real-time scoring and leaderboards, with data stored and analyzed in a **MongoDB database**.
- Received overwhelmingly positive feedback from participants for delivering an engaging and inspiring experience.

Technologies

Languages: Python, TypeScript, SQL, Java

Technologies: Flask, FastAPI, Django, React, Neo4j, MongoDB, Firebase, Google Cloud Platform (GCP)

AI/ML Expertise: TensorFlow, scikit-learn, PyTorch, OpenAI GPT Models, Fine-tuning LLMs, Knowledge Graphs, Natural Language Processing (NLP), Clustering Algorithms

Development Tools: Git, GitHub, PyCharm, VS Code, Jupyter Notebooks