

Omkar Bhattarai

✉ omkarbhattarai71@gmail.com ☎ 9805286832 🌐 in/omkar-bhattarai-77413820b 🌐 omkarbhattarai.com.np/

SUMMARY

Computer Science Graduate specializing in **Full-Stack Development (React/Angular, Node.js/Flask)** with strong expertise in **Python, Java, and cloud technologies (AWS, Docker)**. Hands-on experience building **scalable web apps** and optimizing systems during **Google Cloud internship**. Passionate about **solving complex problems** through clean, efficient code in collaborative environments.

EXPERIENCE

NASSCOM Future Skills Prime – 6-week training

Future Skills Prime

August 2023 – October 2023

- Gained foundational knowledge in **Data Science, Machine Learning, and Cyber Security**.
- Explored key concepts like **data analysis, predictive modeling, and threat detection**.
- Hands-on experience with industry-relevant tools and case studies.
- Strengthened problem-solving skills in **AI-driven security and data-driven decision-making**.

Google Cloud Facilitator

Google

May 2023 – July 2023, Greater Noida, India

- Trained in **GCP (Compute Engine, BigQuery, Cloud Storage)** for cloud computing and big data management.
- Hands-on experience with **data migration, workflow automation, and cloud infrastructure**.
- Developed solutions for **scalable storage and data processing** in facilitator-led environment.

Data Analyst

Dreams Clues

May 2022 – July 2022, New Delhi, India

- *Completed a 2-month internship as a **Data Analyst**.*
- *Gaining hands-on experience in data collection, analysis, and teamwork while adhering to organizational practices.*

PROJECT

Time-Series Real-Time Bitcoin price prediction using LSTM

International Journal of Computer Applications

- www.ijcaonline.org/proceedings/icaidsc2023/number2/time-series-real-time-bitcoin-price-prediction-using-lstm/
- November 2024 – January 2025
- This paper develops an LSTM-based Bitcoin price prediction model using real-time data, achieving 96.88% accuracy to help investors navigate cryptocurrency volatility.

A Systematic Analysis of Diverse Large Language Models and Their Operational Paradigm

Springer Professional

- www.springerprofessional.de/en/forecasting-bitcoin-price-in-indian-rupees-using-machine-learnin/50105154
- February 2025 – May 2023
- LLMs like GPT-4 and BARD revolutionize language tasks but raise concerns about creativity loss, necessitating robust classifier tools; this survey analyzes their evolution, challenges, and future potential.

Arduino based fire detection alarm in rural areas

Taylor & Francis Group

- www.taylorfrancis.com/chapters/edit/10.1201/9781003393580-80/arduino-based-fire-detection-alarm-rural-areas-omkar-bhattarai-abhay-aditya-dubey-shashank-singh-avjeet-singh
- October 2022 – January 2023
- This paper presents an Arduino-based fire detection system using heat, gas, and flame sensors with GSM alerts to enable rapid response and minimize fire damage in vulnerable areas.

EDUCATION

Bachelor of Technology in Computer Science and Engineering with Specialization in Data Science

Sharda University • Greater Noida, India • 2024 • 9.36

Intermediate(+2)

Minor in Science • Kathmandu Model College • Kathmandu, Nepal • 2019 • 3.66
• Awarded Mahatma Gandhi Scholarship from Embassy of India

Schooling

Shree Janata Secondary English Boarding School • Baglung, Nepal • 2017 • 3.90

CERTIFICATIONS

Google Project Management

Coursera • 2022
• Mastered end-to-end project management through Google's certification program, covering initiation, planning, execution, Agile methodologies, and real-world application.

Machine Learning and Deep Learning using Python and R

Udemy • 2021
• Mastered machine learning and deep learning techniques using Python and R, building predictive models and neural networks for data-driven solutions.

SKILLS

1. Programming Languages
Core: JavaScript, Python, Java, C, Dart
Others: SQL
2. Frontend
Basics: HTML5, CSS3, JavaScript (ES6+)
Frameworks: React, Angular
Styling: Tailwind, Bootstrap, CSS
3. Backend
Languages: Node.js, Python(Flask), Java (Spring)
Databases: PostgreSQL, MySQL
APIs: REST
DevOps: Docker, AWS
Bonus (Full-Stack):
Postman
