

Aakash Thakur

Kathmandu, Nepal | aakash04me@gmail.com | [linkedin.com/in/aakashkumarthakur](https://www.linkedin.com/in/aakashkumarthakur) | github.com/aakashkumarthakur

SUMMARY

Motivated Computer Applications undergraduate with hands-on experience in full-stack web development, AI/ML integration, and algorithmic problem-solving using C++ and JavaScript. Passionate about building scalable, intelligent systems and leveraging AI to solve real-world problems. Seeking a software engineering opportunity at Google to contribute to impactful, large-scale products.

EDUCATION

Manipal University Jaipur

Jaipur, India

Bachelor of Computer Applications (BCA) – Information Technology

2024 – ongoing

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Web Technologies, Artificial Intelligence, Computer Networks

TECHNICAL SKILLS

Languages: C++, JavaScript (ES6+), Python, HTML5, CSS3, SQL

Frameworks & Libraries: Node.js, Express.js, React.js, TensorFlow (basics), scikit-learn

AI/ML: Machine Learning fundamentals, Neural Networks, Natural Language Processing, Prompt Engineering

Tools & Platforms: Git, GitHub, VS Code, REST APIs, Postman, Linux

Concepts: Data Structures, Algorithms, OOP, MVC Architecture, Responsive Design, Agile

PROJECTS

AI-Powered Web Application | *Node.js, Express.js, JavaScript, REST API*

2024

- Developed a full-stack web application integrating an AI language model API to provide intelligent, context-aware responses, reducing manual query resolution time by approximately 40%.
- Designed and implemented a RESTful backend with Node.js and Express.js, handling 100+ concurrent API requests with efficient middleware and error-handling pipelines.
- Built a responsive, mobile-first frontend using vanilla JavaScript and CSS3, achieving a Lighthouse performance score of 90+.

Personal Portfolio Website | *HTML5, CSS3, JavaScript*

2023

- Designed and deployed a fully responsive portfolio website showcasing projects and skills, featuring clean UI/UX with CSS animations and cross-browser compatibility.
- Optimized page load speed by 35% through asset compression, lazy loading, and minimizing render-blocking resources.

ML Classification Model | *Python, scikit-learn, pandas, NumPy*

2024

- Built and evaluated supervised machine learning models (Logistic Regression, Decision Tree, Random Forest) achieving 87% classification accuracy on a public dataset.
- Performed end-to-end data preprocessing, feature engineering, and hyperparameter tuning using cross-validation techniques.

DSA Problem Solving – C++

Ongoing

- Solved 100+ algorithmic problems on platforms including LeetCode and Codeforces, covering arrays, linked lists, trees, graphs, dynamic programming, and greedy algorithms.

ACTIVITIES & LEADERSHIP

Open Source Contributor

Remote

GitHub Community Participant

2023 – Present

- Contributed to open-source repositories focused on web tooling and AI utilities; actively reviewed pull requests and submitted bug fixes improving code quality.
- Documented project READMEs and setup guides, improving onboarding time for new contributors.

CERTIFICATIONS & LEARNING

AI/ML: Currently pursuing coursework in Machine Learning and Deep Learning (Coursera / fast.ai)

Web Development: The Odin Project – Full Stack JavaScript Track

Algorithms: Self-study of *Introduction to Algorithms* (CLRS) with implementation in C++