RAGHAV GARG

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Summary

Ambitious candidate with expertise in Data Structures, Algorithms, and AI-driven solutions. Skilled in Python, C/C++, React.js, and MongoDB, with a focus on machine learning and software optimization. Passionate about delivering innovative, high-quality solutions for real-world challenges.

Education

Bachelor's in Technology – Computer Science Engineering (CGPA: 8.8)   **May 2026**
School of Computer Science Engineering, Bennett University

Experience

UKB Electronics Pvt. Ltd, (Python | ML, DL | Data Analysis Data Visualization | Git | SQL)   **May 2024 – July 2024**
Machine Learning Intern
- Developed a machine learning model to analyze sensor data, increasing accuracy by 15% and optimizing performance.
- Implemented an automated defect detection system, reducing manual inspection time by 20%.
- Researched algorithms to enhance predictive maintenance, cutting operational downtime by 10%.

Cisco Networking Academy, (Cisco Packet Tracer | Network Security | Git | Troubleshooting)   **May 2024 – July 2024**
Virtual Internship
- Gained expertise in cybersecurity concepts like threat detection and risk mitigation.
- Designed and troubleshot network infrastructures using Cisco Packet Tracer.
- Strengthened skills in analyzing and resolving complex network security challenges.

Metabees.in, (HTML | CSS | JavaScript | Three.js | SaaS Development | Git | MongoDB)   **January 2023 – June 2023**
SDE Intern
- Developed a SaaS platform for Naptaverse, integrating 3D visuals using Three.js and improving user engagement by 25%.
- Collaborated with cross-functional teams to design and optimize front-end components using HTML, CSS, and JavaScript.
- Implemented backend services and APIs for dynamic data handling, reducing page load times by 15%.

Projects

WebWave - Platform for Buying & Selling Domains, Websites, and Logos [Node.js, React.js, MongoDB, Express.js]   **Feb 2024**
- Developed a marketplace for trading domains, websites, and logos with secure payment integration.
- Deployed on AWS for scalability and implemented real-time notifications.

Credit Card Fraud Detection System [Python, TensorFlow, Scikit-learn, Flask]   **June 2024**
- Designed an AI fraud detection system with 96% accuracy using Random Forest and XGBoost.
- Built a Flask web app for real-time fraud predictions.

Music Genre Classification [Python, Keras, Librosa, CNN]   **July 2024**
- Built a CNN model with 85% accuracy to classify music genres using audio features.
- Integrated the model into a Flask app for real-time genre predictions.

FreelanceConnect [Svelte, Tailwind CSS, Node.js, Flask, PostgreSQL]   **Sep 2024**
- Focused on building an AI-driven recommendation model to match freelancers with relevant jobs based on LinkedIn, CV, and GitHub data.
- Supported frontend (Svelte) and backend (Node.js, Flask) development, gaining valuable experience across multiple areas.
- Conducted security audits using OWASP ZAP to enhance platform protection on Vercel.

BookBuddy - AI-Powered Book Recommendation System [HTML, CSS, JavaScript (React.js, Three.js, TensorFlow.js), MongoDB, NLP, Collaborative & Content-Based Filtering]   **Nov 2024**
- Developed an interactive web application to recommend books using content-based and collaborative filtering.
- Built an NLP model to analyze book descriptions and user reviews, providing personalized recommendations.
- Integrated Three.js to create 3D book covers and animations, enhancing visual appeal and user engagement.
- Implemented dynamic visualization of popular books and genres using Chart.js for an informative, engaging experience.

Certifications

- **Machine Learning A-Z** (Udemy)   **June 2024**
- **Tata Group - Data Visualisation: Empowering Business with Effective Insights Job Simulation** (Forage)   **June 2024**
- **Algorithmic Toolbox University of California, San Diego - Rady School of Management** (Coursera)   **March 2024**

Key

Languages: C/C++ | Python | SQL | HTML/CSS | Javascript
Frameworks: Tensorflow | Scikit-learn | Flask | MERN Stack(MongoDB, Express.js, React.js, Node.js) | Three.js
Technical Skills: Data Structures and Algorithms | Cloud (AWS, IBM Cloud) | Machine Learning | Deep Learning | NLP
Other Skills: Teamwork | Content Writing | Problem Solving | Public Speaking | Mentorship | Leadership | Adaptability

Positions of Responsibility

- Placement Committee President (PlaCom - Bennett University)   **2024 - 2026**
- Joint Secretary, Spark E-Cell (Entrepreneurship Cell of Bennett University)   **Jan 2024 - Dec 2024**
- Volunteered at the Startup MahaKhumbh Event   **March 2024**
- Vice President of Bennovate (E-Summit of Bennett University)   **November 2024**