

Rudra Pratap Singh Kushwah

(+91) 800-801-8230 | kushwahrudra919@gmail.com | www.linkedin.com/in/rudxkush/ | github.com/rudxkush | <https://rudxkush.github.io/personal-website/content.html>

TECHNICAL SKILLS

Languages: C/C++, Python, Java, SQL, NoSQL, Dart, JavaScript, HTML/CSS

Frameworks: React, Node.js, Next.js, Flutter

Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ

Libraries: pandas, NumPy, Matplotlib, PyTorch, Scikit-learn, NLTK, Spacy, NLP

EXPERIENCE

Software Development Intern

Dec 2023 – Jan 2024

Rudder Soft Solution

Ghaziabad, UP

- Developed and optimized Flutter-based UI components, improving application responsiveness by 25%.
- Collaborated with designers to implement intuitive navigation flows, enhancing user engagement.
- Integrated RESTful APIs and managed database operations using MongoDB and Firebase while working in an Agile development environment, ensuring timely feature delivery and maintaining high code quality.

PROJECTS

GPT-Based Spam Detection Model — Python, tiktoken, pyTorch, NLP — [Github](#)

Jan 2025 – Mar 2025

- Implemented a transformer-based language model from scratch using the GPT architecture.
- Built the entire model structure including self-attention mechanisms and decoder-only components.
- Utilized pre-trained weights from OpenAI due to computational constraints.
- Preprocessed and balanced the SMS Spam Collection dataset for optimal training.
- Developed a custom classification head for spam detection.
- Achieved 97.5% validation accuracy and 95.67% test accuracy, demonstrating strong generalization capabilities.

Personal Portfolio Website — HTML5, CSS3, JavaScript, WebGL2 — [LINK](#)

Dec 2024 – Present

- Developed a unique dual-interface portfolio featuring both a modern, clean layout and an interactive retro 3D terminal environment.
- Built a custom WebGL2 rendering engine from scratch with shadow mapping, shader effects, and .OBJ/.MTL model loading.
- Created all 3D models and implemented a fully functional terminal interface with custom commands.
- Utilized HTML5, CSS3, and JavaScript with no frameworks or backend dependencies.

Student Management System — C++ — [Github](#)

May 2024 – Jun 2024

- Developed a C++ application to manage student records, leveraging **Object-Oriented Programming (OOP) principles**.
- Implemented structured data input, display mechanisms, and automated result calculations.
- Designed formatted console output for improved user experience.

CERTIFICATIONS AND TRAINING

Problem Solving (Intermediate): HackerRank — Nov 2024

AWS Academy Introduction to Cloud: AWS Academy — Mar 2024

SQL (Intermediate): HackerRank — Jan 2025

Wind Energy Certification: DTU Coursera — Sep 2024

EDUCATION

Kalinga Institute of Industrial Technology

Bhubaneswar, Orissa

Bachelor of Technology in Computer Science and Engineering

Aug 2021 – May 2025

Silver Bells School

Gwalior, Madhya Pradesh

Class 12 CBSE, Science with Computer Science

2021

Global Indian International School

Hyderabad, Telangana

Class 10 CBSE

2019