Suvayu Biswas

Software Engineering Intern | Full-Stack & AI/ML Developer

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github.com/SuvayuBiswas   🔗 suvayu.me

PROFESSIONAL SUMMARY

B.Tech Computer Science student with strong foundations in software engineering, full-stack web development, and applied AI/ML. Experienced in building and deploying real-world products, including a location-based travel platform (Ghuumo) and AI-driven medical imaging models. Comfortable with Java, JavaScript, Python, REST APIs, cloud platforms, and end-to-end project development. Actively seeking Full Stack Developer and Software Engineering or AI/ML internship opportunities.

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science and Engineering,   2023 – 2027
*Kalinga Institute of Industrial Technology (KIIT)*   Odisha, India
CGPA: 8.98 / 10

PROJECT EXPERIENCE

Ghuumo – Location-Based Travel & Listing Platform ⧉   09/2025 – 12/2025
GitHub : https://github.com/SuvayuBiswas/ghuumo ⧉
- Designed and developed a full-stack, production-oriented travel platform enabling users to create, browse, and manage location-based listings.
- Implemented RESTful APIs, dynamic routing, and CRUD operations for listings and user interactions.
- Built responsive UI with modern HTML, CSS, and JavaScript for cross-device compatibility.
- Integrated map/location-based features and handled form validation, image URLs, and data persistence.
- Focused on clean architecture, scalability, and real-world usability.

Cascading Self-Attention Funnel (CSAF) — Brain Tumor Classification Model,   06/2025 – 11/2025
Research Project | Paper drafted (unpublished)
- Co-developed a lightweight self-attention–based deep learning model for MRI-based multi-class brain tumor classification.
- Designed a cascading attention and down-sampling architecture with **<67K parameters**.
- Achieved **97.6% accuracy**, **99.67% recall**, and **99.01% precision** on the BRISC2025 dataset.
- Implemented training and evaluation pipeline in **PyTorch**.
- Paper in pre-submission stage, codebase private and discussable in interviews.

RPG Creature Search Web App ⧉   06/2025 – 07/2025
GitHub:https://github.com/SuvayuBiswas/Web_Dev/tree/master/RPG%20Creature%20Search%20App ⧉
- Built a real-time search interface using **JavaScript Fetch API** and asynchronous data handling.
- Integrated FCC RPG API and deployed on **GitHub Pages**.

Personal Developer Portfolio ⧉   12/2025 – 12/2025
GitHub : https://github.com/SuvayuBiswas/suvayu.me ⧉
- Designed and deployed a responsive portfolio to showcase projects, research, and skills.

TECHNICAL SKILLS

Programming Languages
Java, Python, JavaScript, C, SQL

Web & Full-Stack
HTML, CSS, JavaScript, REST APIs, Fetch API, Regex, localStorage

Core CS Concepts
OOP, API Integration, Responsive Design, Data Validation

AI/ML
PyTorch, TensorFlow/Keras, CNNs, Attention Mechanisms, Data Preprocessing

Cloud & DevOps
AWS, Oracle Cloud (OCI), Git, GitHub, Linux

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 - Certified Architect Associate ⧉
- Red Hat System Administration I (RH124 - RHA) - Ver. 9.3 ⧉
- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional ⧉
- JavaScript Algorithms and Data Structures - freeCodeCamp ⧉
- AWS Academy Graduate - Cloud Foundations, Amazon Web Services ⧉
- Responsive Web Design - freeCodeCamp ⧉

LANGUAGES

English
Professional Proficiency

Hindi, Bengali
Native