Rudraneel Dutta

+918617705295 | its.rudraneel@gmail.com | www.rudraneeldutta.com | github.com/rudyoactiv

TECHNICAL SKILLS

Languages: JavaScript, Python, SQL, Java, C, C++, HTML, CSS
Frameworks: React, Node.js, Express.js, Three.js, Django
Databases: MongoDB, MySQL, Firebase

EDUCATION

Kalinga Institute of Industrial Technology   *2021 – 2025*
Bachelor of Technology in Computer Science and Engineering

EXPERIENCE

Intern   *Jun. 2024 – Sep. 2024*
Tata Elxsi, Bengaluru

- Built a full-stack application using React, Node.js, and MongoDB to monitor data and information.
- Designed RESTful APIs with Express.js to handle real-time data and diagnostics.
- Implemented JWT-based authentication and role-based access control.

Intern   *May 2023 – Jun. 2023*
National Institute of Electronics & Information Technology, Kohima

- Created dashboards to visualize large datasets using Cellebrite UFED.
- Developed algorithms for automatic data retrieval on a prominent overseas assignment.
- Optimized SQL queries to improve database access times by 20%.

PROJECTS

TypeScribe: Text to Handwriting | *Python, Django, Tkinter, TensorFlow*   *Dec. 2024*

- Built an Open-Source tool to generate natural handwritten documents from text using a Recurrent Neural Network (RNN).
- Made a desktop application that runs locally and allows full customization of documents.
- Awarded 60+ stars on GitHub after release. (rudraneeldutta.com/typescribe)

Kraft3D: Online 3D Printing Store | *MongoDB, Express.js, React, Node.js*   *Jun. 2024*

- Launched India's most affordable e-commerce platform for 3D printed products.
- 250+ orders delivered successfully within the first 4 months.
- Used React and Node.js, with MongoDB for database operations, Firebase for authentication and Stripe to ensure secure user transactions. (rudraneeldutta.com/Kraft3D)

AI Medical Companion | *HTML, CSS, Flask, TensorFlow, OpenCV, Google Gemini*   *Mar. 2024*

- Built a web application to diagnose medical conditions like breast cancer, Covid-19, heart diseases and diabetes with pre-trained models.
- Integrated an AI chatbot using Google Gemini for personalized contextual advice.
- Used Docker for containerization and deployed live on Render. (rudraneeldutta.com/diagnosis)

CERTIFICATIONS

IBM Full Stack Software Developer Professional Certificate	*Coursera, Issued May 2024*
AWS Academy: Introduction to Cloud	*AWS Academy, Issued Mar. 2024*

PUBLICATIONS

Dutta, R., Mohanty, S. (2024). Enhancing exam preparation through topic modelling and key topic identification. *Journal on Artificial Intelligence*, *6(1)*, 177-192. https://doi.org/10.32604/jai.2024.050706