SUDHANSHU SHEKHAR JHA

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| **Education** |  |  |
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| **Kalinga Institute of Industrial Technology** |  | **Sep 2022 – Present** |
| Bachelor of Technology in Computer Science Engineering |  | *Bhubaneswar* |
| * CGPA: 8.8 |  |  |
| **Kendriya Vidyalaya** |  | **Mar 2018 – Aug 2021** |
| Higher Secondary Education |  |  |
| * Class XII: 93.4% , Class X: 85% |  |  |
| **Experience** |  |  |
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| **Bharat Intern** |  | **Jan 2024 – Mar 2024** |
| Web Developer Intern |  |  |

* Implemented a total of three projects using HTML, CSS, JavaScript and various frameworks
* Streamlined project workflows, enhancing overall efficiency
* Led a team in successfully delivering a complex engineering project on time

**Projects**

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| **Brain Tumor Analysis** | OpenCV, Python, Tensorflow, Scikit-Learn, Numpy | **2025** |

* Developed CNN-based deep learning system for automated brain tumor detection and classification, achieving 94% accuracy
* Processed and augmented 3000+ MRI scans implementing comprehensive pre-processing pipeline including noise reduction to enhance model training effectiveness

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| **Weather API Integration** | HTML, CSS, JavaScript, REST API | **2024** |

* Developed a dynamic weather application integrating real-time data through Weather API
* Implemented geolocation functionality to automatically detect user’s location and display local weather conditions
* Designed an intuitive UI with dynamic weather icons, temperature conversions (°C/°F), and detailed metrics, including humidity, wind speed, and atmospheric pressure

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| **Text-to-Speech Converter** | HTML, CSS, JavaScript | **2024** |

* Engineered a web-based text-to-speech application using the Web Speech API, allowing users to convert written text into natural-sounding speech across multiple languages
* Integrated language detection to automatically identify input text language and select appropriate voice synthesis options

**Technical Skills**

**Languages**: Python, Java, C, HTML/CSS, JavaScript, SQL

**Frameworks & Libraries**: React.js, Node.js, Express.js, Django, Bootstrap, TensorFlow, NumPy, Pandas

**Tools & Technologies**: Git, GitHub, MySQL, PostgreSQL, AutoCAD, Web3.js, AWS

**Concepts**: Data Structures, Machine Learning, Deep Learning, AI, Networking, Software Engineering, Cloud Computing

**Leadership & Activities**

**Various Organizations**

*Multiple Leadership Roles*

**2022 – Present** *KIIT University*

* NSS KIIT: Served as a Student Volunteer, contributing to community service initiatives
* TEDX KIIT: Managed public relations, enhancing event visibility and engagement
* KALLIOPE KIIT: Anchoring society of university.
* GFG KIIT: Marketing Executive, promoting technical events and workshops

**Certifications**

* Complete Web Development Bootcamp - Udemy
* Python and Django Framework - Udemy
* Complete Data Science Bootcamp - Udemy
* Participated in Codepeak, organized by GeeksforGeeks in collaboration with IIT Guwahati