**Sakib Alam**

📌Bhubaneswar, Odisha ✉22051187@kiit.ac.in 📞8274828890

# SUMMARY



Highly motivated with a passion for AI/ML and its application in web development. My web development skills, enable me to create user-friendly applications for deploying AI/ML models. I'm a dedicated and collaborative individual, bringing strong leadership and communication skills to any team. As a fast learner and creative problem-solver, I'm always looking for new challenges and opportunities.

# INTERNSHIP EXPERIENCE



**Machine Learning Engineer**

**NRGTech** December 2024 - February 2025, Bhubaneswar, Odisha

* Spearheaded the implementation of a robust approach for industrial component detection from P&ID's
* Achieved more than 90% accuracy in component classification using YOLOv8
* Minimized false positives by 38% using rigorous feature engineering and hyperparameter tuning

**Research Analyst**

**UC Berkeley, HaaS School of Business** June 2022 - July 2022, Kolkata, West Bengal

* Performed Big Data Scraping and Analysis on provided dataset
* Made numerous insights and inferences on 90% of scraped data, facilitating plan of action - Finalized a presentation based on the insights and proposed scopes of change

**Data Science Intern**

**GlobalCERT, National University of Singapore** April 2022 - June 2022, Kolkata, West Bengal

* Pinpointed meaningful insights from large data and metadata sources
* Identified, analysed and interpreted trends in complex data sets
* Applied appropriate data science techniques to solve business problems.

# PROJECTS



**Note Ninja**

**AISOC, KIIT University** January 2025 – Present

* Can seamlessly detect audio and transcribe in real-time with over 90% accuracy, supports transcribing of audio files
* Utilized open-source pertained model large-bart-cnn from hugging face for seamless built in text summarization - Supports system audio (youtube, online-meetings like zoom, google meet, microsoft teams)

**P&ID Classifier**

**NRGTech** December 2024 - Present

* YOLOv8 trained on custom dataset achieved 90% accuracy on P&ID component identification
* Supports industry standard for P&ID formats, maintains ISO markings for segregated classification - Highly scalable design to cater to a wider industry scope

**Juris AI**

**NRGTech** December 2024 - Present

* Open-source model lebal-bert-base-uncased from Hugging Face trained on custom dataset to achieve over 80% accuracy
* Can answer legal questions with reference to attached documents and built-in Indian Penal Code referencing
* Supports custom token window to cater scalability in context to bigger questions/case studies

# EDUCATION



**Kalinga Institute of Industrial Technology** September 2022 - July 2026, Bhubaneswar, Odisha

**Bachelors of Technology (B. Tech)**, CGPA: 7.75

**Indus Valley World School** May 2019 - June 2026, Kolkata, West Bengal

**High School Diploma**, CGPA: 8.6

# INVOLVEMENT



**Senior Marketing Executive**

**Federation of Entrepreneurship Development, TBI, KIIT University** March 2023 – Present

* Spearheaded Marketing R&D within team to introduce novel marketing and outreach strategies to facilitate an overall 40% growth in user interactions and footfall in events
* Chaired as Panelist for Startup Showcase event with established and bootstrapped start-ups and micro-starups - Coordinated venue logistics, guest facilitation, and participant registration for the society's Flagship Event Omega attended by over 800 students and external partners and collaborators
* Organized Proof of Community Backpacking India blockchain event as part of a 12-member OC, leading to overall 20% increase in new membership sign-ups

# RESEARCH & PUBLICATIONS



**Sustainable Urban Development in Bhubaneswar's Slums: Innovative Strategies for Water and Sanitation Access**

**International Conference of Management Research (ICMR), KIIT University, Odisha**

**Guide: Dr. Priti Ranjan Sahoo, KSOM** February 2025

* Did on-field survey and research of water access for local residents, finding 34% direct water connections, 57% drainage coverage, and 35% critical sewage issues.
* Assessed household water costs, showing low-income families spend 11% of income (₹600) on waste collection, ₹450 on water purchases.
* Performed rigorous analysis and quality testing on water quality as supplied by Bhubaneswar Municipal Corporation, detecting arsenic, fluoride, and iron in 68% of samples, with daily supply ranging from 3.2 to 4.5 hours.

**Application of Machine Learning in Shortlisting Resumes**

**International Conference of Undergraduate Students (ICUS), South Asian University, New Delhi**

**Guide: Dr. Priti Ranjan Sahoo, KSOM** June 2023

* Achieved 80% accuracy, leveraging NLP, neural networks, and vectorization for automated ranking.
* Processed 5,000 resumes and multiple job descriptions, using semantic matching and to enhance candidate shortlisting.
* Trained a deep neural network in using TensorFlow, optimizing with dropout (0.4) and Adam optimizer.

# PATENTS



**AUTOMATED RESUME SCREENING AND CANDIDATE RANKING SYSTEM USING ADVANCED NATURAL LANGUAGE PROCESSING AND SCIKIT-LEARN**

**ID: 202431081804**

**SOLAR POWERED IOT BASED INDORE AIR QUALITY MONITORING AND ANALYSIS ID:** **202331028081**

# HONORS & AWARDS



* **Finalists for COMPOSIT: CASE STUDY COMPETITION at IIT Kharagpur out of 400+ teams nationally - 2025**
* **Finalists for Chronos V1 by AISOC, KIIT University - 2024**
* **Solo B. Tech presenter for Research Paper titled "Application of Machine Learning in Shortlisting Resumes" in the**

**International Conference of Undergraduate Students in ICUS 2023 under South Asian University - 2023**

* **Performance pay recipient for exemplary work and contribution during internship tenure under UC Berkeley – 2022**
* **Secured Gold medal in International English Olympiad by SOF - 2020**
* **Secured Silver medal in International English Olympiad by SOF – 2019**

# CERTIFICATIONS



* The Complete 2024 Web Development Bootcamp - Udemy.
* Mastering Data Structures and Algorithms using C and C++ - Udemy.

# SKILLS



Languages: Python, C, SQL

Libraries & Frameworks: Scikit-Learn, Numpy, Matplotlib, Pandas, NextJS

Tools & Platforms: VS Code, Linux, Jupyter Notebook, PowerPoint, Excel

Databases: MySQL, MongoDB, SQL