

Poushali Patra

B.Tech CSE student at KIIT University

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Motivated and detail-oriented third-year Computer Science undergraduate with a 9.77 CGPA and hands-on experience in full-stack development, machine learning, and data analytics. Proficient in C/C++, Java, and Python, with projects applying real-time systems, AI, and cloud technologies. Finalist at national hackathons, demonstrating strong problem-solving, collaboration, and innovation. Actively seeking internship opportunities to gain industry experience and contribute to impactful projects.

EDUCATION:

BTech in Computer Science – May 2023 – May 2027	CGPA 9.77
Kalinga Institute of Industrial Technology (KIIT University)	
Class 12 – March 2023	98%
Hill Top School, Jamshedpur	
Class 10 – March 2021	98.8%
Hill Top School, Jamshedpur	

PROFESSIONAL SKILLS:

- **Programming:** Java, C/C++, Python(basics)
 - **Tools & Technologies:** GIT
 - **Machine Learning:** Regression, Classification, Clustering, Supervised Learning
 - **Databases:** SQL (MySQL, Postgres)
 - **OS:** Unix, Linux
 - **Web Development:** HTML, Css
 - **Relevant coursework** - Data Structures and Algorithms, OS, DBMS, Object Oriented Programming
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INTERNSHIPS & CERTIFICATIONS:

- **Tata Forage Internship** – Data Visualization: Empowering Business with Insights – Nov 2024
 - **AWS Academy Cloud Foundation** – Feb 2025
 - **Infosys Springboard – Pragati: Path to Future Program (2025):** Completed certifications in *NLP for Developers*, *Web Development*, *Design Thinking* under Infosys's career-oriented initiative focused on emerging technologies and industry readiness.
 - **Udemy – Advanced SQL:** MySQL for Ecommerce Data Analysis
 - **Finalist** – Energy Hackathon 2025 (Tryst, IIT Delhi)
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PROJECTS:

Sentiment Analysis of Social Media Data : [Link](#) || Python, TextBlob, Matplotlib

- Designed and implemented a sentiment classification pipeline using Python after completing Infosys Springboard's NLP program.
 - Processed and analyzed pre-collected Twitter datasets to extract sentiment polarity and subjectivity using TextBlob.
 - Visualized sentiment trends using Matplotlib to extract insights.
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Delhi Smart Traffic & Pollution Management System (*Finalist, Energy Hackathon – Tryst IIT Delhi 2025*) :[Link](#) || Flask, Next.js, TypeScript, TensorFlow, Firebase, TomTom API

- Designed and built a scalable, end-to-end AI system for real-time traffic optimization and pollution forecasting in Delhi NCR.
- Integrated multi-source environmental data (AQI, traffic, weather) using public APIs to enable data-driven decision making.
- Deployed a responsive dashboard with live AQI visualization, EV route optimization, and automated alerting via Firebase.

Personal Portfolio Website (*Work in Progress*) | [Live Site](#) | HTML, CSS, JavaScript, GitHub Pages

- Designed and deployed a personal portfolio to showcase projects, skills, and achievements using responsive web design principles.
- Currently enhancing interactivity, layout, and content organization to improve user experience and presentation.
- Hosted on GitHub Pages with plans to integrate blog posts, dynamic project filtering, and custom animations.

EXTRACURRICULAR ACTIVITIES:

- **Data Science Club, KIIT University**
Organized workshops, hackathons, and team-based analytics projects.
- **Volunteer Tutor**
Guided juniors in programming and ML fundamentals, including Python and Java.