

SHUBHANGAM BISWAL

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ABOUT

Tech-driven 4th engineering student who is enthusiastic about software development, and the Internet of Things to solve real-world issues. Demonstrated capacity to oversee creative projects in a variety of fields from conception to prototype.

EDUCATION

- **Technical Skills:** React.js, Javascript(ES6), HTML5, CSS3, GSAP, Tailwind, Bootstrap, C, C++, Java, Node.js, Express.js, RESTful APIs, GraphQL MongoDB, MySQL, Scrum,Agile, JIRA, Kanban, Git, Github, Arduino Ide, Npm, Microcontrollers
- **Soft Skills:** 1)Leadership,Team Management, Relation Building & Decision making under pressure (being the University Relations of Cisco's Thingqator, I do know well the importance of these and demonstrated those well).
2) Problem-Solving, Entrepreneurial Mindset,Adaptability, Strategic Planning,Collaboration and Teamwork .

WORK EXPERIENCE

OneWholeSale (A Bhubaneshwar based startup)

Research and Development Intern

May 2025- Present

- Was given the task of studying various sensor behavior and various other components and design and build a Soil testing machine with various USP's required by the organization.

FIXXLINK Pvt Ltd (A Cisco & Nasscom funded startup)

Web Development Intern (MERN)

September 2024-May 2025

- Was involved in designing and building the company's website where all the important products/service they provided was displayed.

SmartBit IT Solutions Pvt Ltd

Java Web Development Intern

June,2024-August 2024

- Was involved in studying the domain of my internship in details and its application in real world through the project's they used to do for their client.

UNIVERSITY PROJECTS

Klarvick Helm-

Designed and developed a real-time underground mining safety solution integrating IoT sensors, Edge AI, and wireless communication (LoRa, ESP-NOW). Enabled continuous health monitoring, intelligent geofencing, and predictive hazard detection for workers. Achieved up to **85% accuracy** in hazard classification and **40% faster response time** compared to conventional systems. Scalable for deployment across **50+ mining sites** with minimal infrastructure.

RoamRide-

- Built a full-stack car rental web app with integrated real-time vehicle tracking using Arduino UNO, GPS (Neo-6M), and GSM (SIM900A).
- Enabled live location updates via SMS with ~2.5m accuracy.
- Streamlined rental operations and monitoring, boosting efficiency by 80% and enhancing user trust with transparent tracking.

StationWay-

- Worked on StationWay, a railway navigation solution providing optimal routes using real-time data from IoT sensors and Bluetooth beacons
- Developed a website and an optimised Iot solution using sensors for mapping of railway stations which included lidar mapping too.
- Had bit of exposure to ML algorithms like Random Forest and SVM.

EDUCATION & Achievement

Trident Academy of Technology

Bachelor of Technology in Computer Science and Technology (7.65 CGPA)

Bhubaneshwar

Expected June 2026

ST. Xavier's High School,Cuttack

10th – 2020 (86.4%) and 12th-2022

Awards & Achievement

- 1.Shining Star Award(by my college,2025)
- 2.Hackfest IIIT Bhubaneshwar-2nd Runner's Up | 3.Startup Stage-Top 40 Teams All India,Cohort Thingqator.