

# Abhishek Sahoo

## Enterprise IT Professional

📍 Dist: Sundargarh, Odisha 770013, India 📞 (+91) 7077720030 ✉️ sahuo.abhishek2013@gmail.com  
🌐 techbyabhishek.github.io/portfolio 📺 abhisheksahoo1988 📺 TechbyAbhishek

### PROFESSIONAL SUMMARY

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Results-oriented IT professional with over a decade of experience bridging the gap between field operations and enterprise technology in the Energy & Mining sectors. Proven track record in leading IT departments, securing critical infrastructure, and implementing IoT solutions for operational efficiency. Expertise in digital transformation, process automation, and Next-Gen network security. Adept at translating complex operational challenges into reliable technical solutions.

### CORE COMPETENCIES

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- **Emerging Tech & AI:** GenAI Strategy, Prompt Engineering, Agentic AI, AI-Assisted Development.
- **Infrastructure & Ops:** Wireless Communications, Asset Tracking, System Planning.
- **Security & Compliance:** Next-Gen Firewalls, XDR Implementation, CCTV Surveillance.
- **IoT & Automation:** GPS Fleets, Sensors, Data Monitoring.
- **Digital Transformation:** Process Automation, App Strategy, Requirements Analysis.

### PROFESSIONAL EXPERIENCE

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#### Odisha Coal and Power Limited

Odisha, India

*Lead, IT Operations & Strategy (Sr. Assistant Manager, IT)*

2023 – Present

- **Department Leadership:** Lead the IT department, overseeing core operations, infrastructure reliability, and team performance.
- **Strategic Alignment:** Coordinate with cross-functional departments (HR, Finance, Mining Ops) to align IT services with organizational business goals.
- **System Stability:** Drive enterprise system stability and digital workflow modernization, ensuring 99.9% uptime for critical business applications.

#### Odisha Coal and Power Limited

Odisha, India

*Senior Digital Transformation Engineer (Assistant Manager, IT)*

2019 – 2023

- **Infrastructure Planning:** Managed on-ground IT planning and system strengthening for complex mining operations.
- **Security Implementation:** Spearheaded the deployment of centralized surveillance and Next-Gen network security systems (XDR/Firewalls).
- **Application Rollout:** Supported the rollout of web and mobile applications for operational data tracking and safety reporting, significantly improving field data accuracy.

#### Trayi Consulting Pvt. Ltd

*Enterprise Solutions Consultant (Management Executive)*

2013 – 2019

- **Requirement Analysis:** Executed detailed IT requirement analysis and planned enterprise systems for diverse clients.
- **Consulting:** Managed consulting engagements focused on system stability, infrastructure planning, and legacy system modernization.

### KEY PROJECTS & INITIATIVES

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- **AI-Augmented Portfolio Deployment:** Orchestrated the development of a fully responsive personal website without prior frontend coding knowledge. Leveraged Advanced Prompt Engineering to direct AI agents in writing clean HTML/CSS code, reducing deployment time by 70% and demonstrating the capability of AI to bridge technical skill gaps.
- **Digital File Movement System:** Spearheaded the shift from manual paper trails to a digital workflow, significantly improving approval traceability and reducing archival costs.

- **Safety Reporting Application:** Designed the functional requirements for a web and mobile app enabling field staff to report hazards instantly, reducing incident response time.
- **Next-Gen Network Security:** Implemented high-availability firewalls integrated with XDR solutions to proactively detect threats and secure critical power infrastructure.
- **Restricted Zone Comms:** Deployed dedicated wireless communication systems in zones where standard mobile networks fail, ensuring constant contact for safety.
- **GPS Fleet Tracking:** Introduced GPS tracking for heavy mining equipment to gain real-time visibility into fleet utilization and route compliance.
- **Centralized Surveillance:** Unified scattered CCTV feeds into a centralized monitoring station with long-term storage, enhancing site security and audit capabilities.

## EDUCATION

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<b>Veer Surendra Sai University of Technology</b> <i>M.Tech in ECE (Electronics &amp; Communication Engineering)</i>	<b>Div: First</b> <i>2011 – 2013</i>
<b>Dhaneswar Rath Institute of Engineering</b> <i>B.Tech in ETC (Electronics &amp; Telecommunication Engineering)</i>	<b>Div: First</b> <i>2006 – 2010</i>
<b>Ravenshaw Junior College</b> <i>Intermediate (10+2) Science Stream</i>	<b>Div: First</b> <i>2003 – 2005</i>

## CERTIFICATIONS

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- **Certified Ethical Hacker (CEH v11)**, Simplilearn (ID: 3084757)

## TECHNICAL SKILLS

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- **Core Tech & Data:** Python (Scripting & Automation focus), SQL (Database querying), MS Excel / Power BI (Data visualization & reporting).
- **AI & Automation:** Prompt Engineering (Advanced context structuring), GenAI Operations (Leveraging LLMs), Workflow Automation (Designing logic for automated tasks).
- **Domain Specific:** AutoCAD (Site planning & layouts), Network Administration (Firewall Config, Asset Management).

## DECLARATION

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I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief. I bear the responsibility for the correctness of the above-mentioned particulars.