

# ALOK KUMAR DHAL

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## EDUCATION

**National Institute of Technology, Rourkela**

*B.Tech., Electronics & Communication Engineering - CGPA 7.52/10.00*

**2019 – 2023**

*Rourkela, India*

**Deepika English Medium School**

*CBSE - Intermediate(10+2) - Percentage - 83.2%*

**2017 – 2019**

*Rourkela, India*

**Deepika English Medium School**

*CBSE - Matriculation(10th) - CGPA/Percentage - 10CGPA /95%*

**2016 – 2017**

*Rourkela, India*

## EXPERIENCE

**Tata Power Southern Odisha Distribution Limited**

*Lead Engineer - Front-End Developer*

**2023-now**

*India*

- **Created a Concatenated Interface and Reporting System:** Built a user-friendly interface and generated dynamic reports by querying **Oracle databases**, enabling real-time updates on TPSODL assets. Utilized **HTML, CSS, JavaScript, and Node.js** to deliver seamless data integration and visualization.
- Designed and implemented a tool using **magiK (Java-based language)** to automate latitude-longitude identification, resulting in a **15%** increase in overall productivity by streamlining workflows and reducing manual effort.
- Orchestrated project workflows and ensured timely delivery by leveraging **Azure DevOps** for task management, version control, and continuous integration, fostering collaboration across diverse teams.

**Chegg Inc.**

*Subject Matter Expert - Computer Science | Freelancing*

**2020 – 2021**

*India*

- Provided expert guidance on Computer Science concepts, resolving user queries on **Data Structures, Algorithms, Operating Systems, Computer Networks, and Database Management** ensuring clarity and in-depth understanding.

## COURSEWORK / SKILLS

- |                     |                       |                    |                      |
|---------------------|-----------------------|--------------------|----------------------|
| • DSA               | • OOP                 | • Machine Learning | • Azure Devops       |
| • Operating Systems | • Database Management | • Web Development  | • GE. GIS Smallworld |

## PROJECTS

**Portfolio Website** [🔗](#) | **HTML,CSS,Jquery,JavaScript**

[GitHub](#)

- Designed and developed a **fully responsive portfolio website** using **HTML, CSS, JavaScript, and Media Queries** to ensure seamless user experience across devices.
- Created **interactive UI components** to effectively showcase projects, technical skills, and achievements, enhancing user friendliness and visual appeal.

**Omnifood** [🔗](#) | **HTML,CSS,jQuery,JavaScript**

[Github](#)

- Designed and developed a **responsive landing** for a premium food delivery service using **HTML, CSS, jQuery, and JavaScript** ensuring cross-device compatibility, modern design, and enhanced user engagement to drive conversions.

**Vehicle Detection(ML)** | **Python,YOLOv5,COCO Dataset,TensorFlow**

[GitHub](#)

- Developed a **YOLOv5-based vehicle detection model** using **Python**, trained on **MS COCO 2017 dataset**, achieving **85%** accuracy.
- Implemented a **real-time detection system and deep learning** for efficient and robust vehicle identification.

## TECHNICAL SKILLS

- **Languages:** C, C++, Python, Java, JavaScript, HTML, CSS, Node.js, magiK
- **Technologies/Frameworks:** MySQL, DevOps

## CERTIFICATIONS/ACHIEVEMENTS

- |                                      |                                  |                              |
|--------------------------------------|----------------------------------|------------------------------|
| • Python Certification - Internshala | • Global rank 1253 - Leetcode    | • Global rank 311 - CodeChef |
| • CodeForces:Max Rating: 1275        | • CodeChef: 3*, Max Rating: 1723 | • Leetcode max rating- 1808  |

## EXTRACURRICULAR

**Vice President Astro NITR**

*Technical Coordinator*

**2021 – 2023**

*NIT Rourkela*

- Led event planning and fostered an inclusive environment for 100+ members, ensuring smooth operations through regular team meetings and effective coordination.
- Elevated club engagement through strategic social media campaigns, promotions, and impactful event execution.