

## **Job Description – Data Engineering & Software Development Intern**

### **About the Role**

We are looking for a passionate Data Engineering & Software Development Intern who is eager to learn, adapt, and contribute to real-world projects. The ideal candidate is a Computer Science undergraduate with strong problem-solving skills, hands-on coding experience, and a curiosity for AI, data analytics, and full-stack development.

### **Responsibilities**

- Assist in building and maintaining data pipelines for AI and analytics projects.
- Contribute to full-stack development of web applications using React.js, Node.js, and MySQL.
- Implement data structures and algorithms to optimize performance in software solutions.
- Work with teams to design and develop responsive, user-friendly web interfaces.
- Collaborate in applying AI and data analytics techniques to solve real-world problems.
- Participate in code reviews, testing, and debugging to ensure high-quality deliverables.
- Document project workflows, technical processes, and outcomes.

### **Requirements**

- Education: Pursuing B.Tech in Computer Science & Engineering (2023–2027).
- Technical Skills:
  - Programming: C, Java, Python, JavaScript
  - Web: HTML, CSS, React.js, Node.js, Responsive Web Design
  - Tools: GitHub, Visual Studio Code, Eclipse, Power BI
  - Databases: MySQL
- Strong understanding of data structures and algorithms.
- Familiarity with GUI development (Java, Python).
- Enthusiasm for AI, Data Analytics, and Sustainable Technology Applications.

### **Strengths**

- Strong problem-solving and analytical mindset.
- Quick learner with adaptability to new technologies.
- Effective in team collaboration and leadership.
- Commitment to continuous improvement and innovation.

### **Preferred Qualifications**

- Completed certifications in C programming (NPTEL), Responsive Web Development (freeCodeCamp), Data Analytics (Forage – Deloitte Australia), and English proficiency (Linguaskill).
- Internship/virtual experience in AI & Data Analytics (AICTE, Shell India, Edunet Foundation).
- Project experience in developing web applications, customer record management systems, and GUI-based tools.