MD MERAJ ALAM

🖀 +91 7070950617 📍 Noida Sector 11, Uttar Pradesh, 201301

[✉ merajalam7459@gmail.com](mailto:✉%20merajalam7459@gmail.com) **in** https://www.linkedin.com/in/md-meraj-alam-622325277

# PROFESSIONAL SUMMARY

Motivated and detail-oriented Software Developer Trainee with a solid foundation in software development and system integration. Skilled in programming languages such as Python and Java, with a strong understanding of the software development life cycle. Adept at analyzing business requirements, implementing solutions, conducting software testing, and providing production support. Possesses excellent problem-solving abilities, a keen analytical mindset, and the ability to thrive in fast-paced environments. Strong communication and collaboration skills to contribute effectively to development projects.

# EDUCATION

**Bachelor of Technology**, IIMT college of Engineering, Greater Noida 2021-2025

Computer Science and Engineering

# SKILLS

Python, OOPS, MySQL, HTML, CSS, JavaScript, Numpy, Pandas, Flask, Django, Git & Github.

# EXPERIENCE

INTERPE (Web development Intern)

* Worked on developing frontend application using JavaScript, HTML, CSS for Building responsive web interface.
* Gained hands on experience in HTML, CSS, JavaScript .
* Collaborated with team to design and implement user-friendly web applications.

Cognifyz Technologies (Web Development Intern)

* Hands-on HTML, CSS, JS programming experience.
* Gradual progression from basic to intermediate projects.
* Focus on real-world applications like games , Calculator, Portfolio etc.

# PROJECTS

1. **QR Code Generator –** Python, Google Translate API, qrcode .

**Description-** The QR Code Generator is a Python-based application designed to create customized QR codes for URLs or text data. It uses the qrcode library to generate QR codes and the PIL (Python Imaging Library) module for image manipulation. The script allows color customization and outputs the QR code as an image file, making it useful for branding or sharing website links.

* + Developed a QR Code Generator using Python and the qrcode library to encode URLs.
  + Customized QR code design by setting fill and background colors using PIL.
  + Configured QR code with high error correction for better scan reliability.
  + Automatically saved the generated QR code image (wscubetech\_web.png) to local storage for reuse and sharing.
  + Implemented modular QRCode object to adjust box size, border width, and fitting to ensure proper scalability.

### **Language Translator App – Python, Tkinter, googletrans, asyncio.**

**Description** – The Language Translator App is a desktop-based GUI application built using Python. It allows users to translate text from one language to another using the googletrans API. The interface is designed using the Tkinter library, while asyncio is used for asynchronous handling of translation requests. Users can select source and destination languages from dropdown menus, input text, and view the translated output instantly.

* + Developed a desktop-based Translator application using Python and the Tkinter library for GUI components.
  + Integrated googletrans to support dynamic translation across multiple languages.
  + Utilized asynchronous programming (asyncio) for smooth handling of translation processes.
  + Designed a user-friendly interface with source and destination language selection via ttk.Combobox.
  + Implemented text input/output areas and a "Translate" button for real-time interaction.
  + Ensured layout scalability and readability with structured widget placement and font settings.

1. **Library Management System –** Python, SQL, Tkinter.

**Description-** The Library Management System is a web-based application built using Python that allows users to manage a collection of books efficiently. It provides functionalities to add, update, delete, and search books. The system is designed with a user-friendly interface using Python, SQL, Tkinter module for the GUI handles data binding, component-based structure, and event handling**.**

* + Developed a Library Management System using Pythonfor efficient book cataloging and borrowing.
  + Implemented CRUD operations (Create, Read, Update, Delete) to manage book records dynamically.
  + Implemented search functionality for quick book retrieval based on title or author.

### **Login System – Python, Django Framework, Admin-Based User Management.**

**Description-**The Login System is a Django-based web application that enables secure user registration and login functionalities using Django’s built-in authentication system. User data, including credentials, is managed through Django’s powerful admin interface, allowing for easy monitoring, editing, and control without needing a separate database management tool. The system uses Django’s User model, built-in views, and authentication methods for secure session handling.

* Built a user authentication system using Python and Django with session-based login and signup functionality.
* Enabled user registration with checks for unique usernames, matching passwords, and optional email verification.
* Used Django's authenticate() and login() methods to handle secure login, session tracking, and credential validation.
* Stored and managed all user records through Django's admin panel using the built-in User model.
* Configured admin access to view, edit, and manage users, roles, and permissions without manual database interaction.
* Designed and rendered pages (home.html, login.html, signup.html) using Django’s template system for clean navigation.
* Implemented error handling to prevent duplicate accounts and notify users of login/signup issues.