Anshul

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Education

Institute of Management Technology Centre for Distance Learning, 07/2024 – present | Gaziabad, India
POST GRADUATE DIPLOMA IN MANAGEMENT

Dehradun Institute Of Technology, 05/2017 – 05/2021 | Dehradun, India
Bachelor of Technology (B.Tech) in Electronics and communication Engineering

Bal Vidya Mandir Sr Secondary School (10+2), 08/2016 – 05/2017 | Lucknow, India
Central Board of secondary Education (CBSE)

Bal Vidya Mandir Sr Secondary School (10th), 08/2013 – 05/2014 | Lucknow, India
Central Board Of Secondary Education (CBSE)

Professional Experience

Software Technology Park Of India, *Web Developer* 01/2024 – present | Delhi, India
- Developed **"Sayuj,"** a networking platform for startups, connecting over 8,000+ users.
- Built a responsive frontend using **React.js** to enhance user experience.
- Developed the backend with **Node.js**, ensuring smooth performance and scalability.
- Managed databases efficiently, optimizing data retrieval with indexing strategies.
- Implemented a **recommendation engine** using **Python, Scikit-learn, and pymongo** for personalized user insights.

TECKVINI SOLUTIONS PRIVATE LIMITED, *Full Stack Developer* 02/2023 – 12/2023 | Delhi, India
- Developed a payroll system for the Indo-Tibetan Border Police (ITBP) as part of the Payroll and Pay Bill Register (PBR) project.
- Designed a responsive frontend using HTML, CSS, Bootstrap, and JavaScript to improve user experience.
- Optimized MSSQL databases by creating stored procedures, reducing payroll calculation time.
- Built backend functionality using C# and MVC, ensuring smooth data processing.
- Implemented NHibernate for efficient data retrieval and CRUD operations.

Projects

Construction kit detection
- Developed a **YOLO-based** object detection model for identifying construction objects in video
- Implemented real-time detection and classification of construction objects in live video feeds, improving site monitoring efficiency.
- Enhanced automation processes for construction site management, reducing manual oversight by 40%

Object detection
- Developed a robust solution for real-time object detection using YOLO, successfully integrating with various input sources.
- Provided real-time visual feedback and annotations for live webcam feeds, streamlining the analysis of static images and videos.

Vehicle Detection and counting
- Developed a robust solution for real-time object detection using YOLO, successfully integrating with various input sources.
- Provided real-time visual feedback and annotations for live webcam feeds, streamlining the analysis of static images and videos.

Clothing Consultant
- Built a **robot for clothing-related automation**, demonstrating end-to-end development.
- Created and managed projects in UiPath, utilizing **Input Dialog** for user input.
- Automated **Google searches** using the **Edge Browser** and the **Type Into** activity.
- Extracted and processed data with the **Get Text** activity and web scraping techniques.
- Implemented **keyboard shortcuts**, **boolean conditions**, and **flow decisions** for automation logic.
- Followed **best practices** using the **Workflow Analyzer** for optimized automation.

Data Capturing
- Developed a **Data Capturing Robot**, automating data entry and web interactions.
- Created and managed projects, adding resources and designing workflows.
- Automated **reading customer data** from Excel using the **Read Range** activity.
- Implemented **For Each Row in DataTable** to process multiple records efficiently.
- Automated form filling with **Type Into**, **Click**, **Select Item**, and **Radio Button** activities.
- Worked with **If conditions** and **While loops** for dynamic decision-making.• Optimized automation speed and executed workflows in **parallel**.
- Debugged and analyzed projects to ensure **best practices** in automation.

The Automation Challenge
- Built **The Automation Challenge Robot** to automate web-based tasks.
- Worked with **Sequences and Flowcharts** for structured workflow design.
- Automated **Excel data handling** using **Read Range** and DataTable operations.
- Optimized browser interactions, including **maximizing, zooming, and refreshing**.
- Implemented **For Each Row** and **Log Message** activities for data processing.
- Used **UI Explorer** and modified selectors for better automation accuracy.
- Handled exceptions with **Try Catch** to improve workflow stability.
- Automated form submission, including **Click Submit in the background** and **ReCAPTCHA handling**.
- Optimized automation speed and followed **best practices** using **Project Analyzer**.

Skills

Programming Languages — Python, C#, **Web Technologies** — HTML, CSS, JavaScript, React.js, Node.js, Bootstrap,, **Databases** — MSSQL, PostgreSQL, MongoDB, **Frameworks** — MVC, NHibernate, **Tools** — Git, GitHub, Tortoise SVN, UiPath, **Operating Systems** — Linux, **Concepts** — AI/ML, REST APIs

Certificates

Udemy certificate — Complete UiPath Rpa Developing Course