VISHNUVARTHAN ADHIMOOLAM

Software Engineer

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○ https://github.com/Vishnuvarthanaadhi

👤 PROFILE

Experienced Software Engineer with 3+ years of expertise in Java and REST API development. Skilled in upgrading banking webpages and automating website processes. Currently pursuing a Master's in Data Analytics, with a keen interest in AI projects. Proven track record of delivering high-quality work in fast-paced environments. Passionate about optimizing processes and solving complex problems. Ready to contribute to innovative software projects, leveraging a blend of technical skills and AI interest.

💼 PROFESSIONAL EXPERIENCE

10/2021 – 02/2023
Chennai, India

NEWGEN Software Technologies
Software Engineer
- **Project Name** - National Bank of Ras Al - Khaimah (RakBank)
- **Description** - Focused on upgrading banking webpages using JSP, JavaScript, and Third Party API, alongside expertise in MS SQL databases and stored procedures. Proficient in deploying upgraded web applications with WebSphere. Skilled in developing user-friendly and secure application forms for banks, meeting regulatory requirements. Consistently delivers high-quality work in fast-paced, collaborative environments.
- **Contribution** : Involved in analyzing the requirement, development, unit Testing, Production movement and support. Being Involved in Bugs fixing in UAT and creation of Unit Test Cases and Unit Test. Workflow was developed in Newgen BPM tool – Omniflow.

11/2019 – 09/2021
Chennai, India

Urjanet Energy Solutions
Software Engineer
- **Project Name** - Self Healing Navigation
- **Description** - Main role is to automate the websites (Web Automation).Automate the provider website using web scraping technologies like HTML unit and Selenium and make them auto incorporated when any website level change happens.
- **Contribution** : Developed an engine capable to read web scraping templates and monitor the website level changes and is capable to understand the future failure, heal itself.

🎓 EDUCATION

02/2023 – present
Berlin, Germany

Masters in Data Analytics And Infosys Management
Arden University

04/2015 – 07/2019
Chennai, India

Bachelors : Electronics And Communications Engineering
Jerusalem College of Engineering

📁 PROJECTS

Optimizing Future Workforce Allocation and Docking Strategies in Amazon Warehouse
- Led strategic project at Amazon to optimize future workforce allocation and docking in warehouse operations.
- Designed docking strategies to minimize wait times and enhance operational efficiency.
- Collaborated across warehouse operations, data science, and engineering teams to develop and implement solutions.
- Achieved increased productivity and reduced workforce allocation time.
- Technologies: Python, VBA.
  Github Link: https://github.com/Vishnuvarthanaadhi/Optimizing_WorkForce_Allocation_WareHouse

Sudoku Puzzle Solver using CNN and MLP AI Models
- Developed a Sudoku puzzle solver utilizing Convolutional Neural Network (CNN) and Multilayer Perceptron (MLP) models.
- Trained the CNN model to recognize digits from Sudoku puzzle images and predict missing values.
- Implemented the MLP model to solve Sudoku puzzles by iteratively filling in missing values based on predictions from the CNN model.
- Achieved an accuracy of 80% or higher in both models.
- Technologies/Libraries used: Python, TensorFlow, Keras.
  Github Link: https://github.com/Vishnuvarthanaadhi/SudokuPuzzle

🧠 SKILLS

Core Java, Advance Java	● ● ● ● ○	**Database :** Oracle SQL, Basic MySQL	● ● ● ○ ○
Web Scraping technologies : HtmlUnit, Selenium	● ● ● ● ○	**Build Tool** Gradle, Maven	● ● ● ○ ○
Development Tools: Eclipse, Jenkins, Visual Studio Code,Google Colab,kaggle	● ● ● ○ ○	**Frameworks:** Rest API	● ● ● ○ ○
Web Technologies : JavaScript, HTML, CSS	● ● ● ○ ○	**Artifical Intelligence:** CNN, MLP Models, TensorFlow, Keras	● ● ○ ○ ○
Version Control: BitBucket, Github	● ● ● ○ ○	**Project Management:** JIRA	● ● ○ ○ ○

🌐 LANGUAGES

German A2	● ● ○ ○ ○	**English**	● ● ● ● ○
Tamil	● ● ● ● ○		