
Ritesh Ranjan

Survey Programmer

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OBJECTIVE

Detail-oriented and highly motivated software professional with expertise in survey programming, data analysis, and full-stack web development. Proficient in Python, C, and web technologies, with a strong background in AI/ML projects. Adept at problem-solving, optimizing processes, and delivering high-quality solutions. Seeking opportunities to leverage my technical and analytical skills in a dynamic work environment.

SKILLS

Programming Languages: Python, C

Survey Tool: Decipher

Web Technologies: HTML, CSS, JS

Version Control: Git, GitHub

Additional Tools: Jupyter Notebook, Visual Studio Code, Machine Learning

Soft skills: Strong problem-solving and analytical skills, Excellent communication and teamwork abilities

EXPERIENCE

Prodege LLC, Gurgaon - *Survey Programmer, Research Solutions*

DEC 2023 - PRESENT

- Developed and programmed surveys of up to Level 4 complexity while ensuring high-quality and efficient execution.
- Maintained an average project turnaround of 1 to 1.5 days for Level 3 complexity, optimizing efficiency.
- Collaborated with clients to implement custom survey features and deliver tailored solutions as per their unique requirements.
- Wrote well-structured and efficient scripts to meet client specifications, enhancing survey performance and reliability.

Wipro Limited, Pune - *Analyst*

APRIL 2022 - NOV 2023

- Managed, cleaned, and analyzed large datasets to generate actionable insights for clients.
- Developed data visualization models to identify seasonal trends in sales, helping clients like Hero MotoCorp optimize business strategies.

PROJECTS

XML-Scripter: A web-based tool designed to streamline XML scripting for the Decipher survey platform. This tool enhances efficiency by automating question formatting and standardizing structure across all client surveys. *(Technologies Used: JavaScript, HTML, CSS)* [!\[\]\(529949c2c3dadbaa4e538e8c643454bc_img.jpg\)](#)

ResearchServ Extension: A browser extension that allows seamless manipulation of survey scripts, enabling users to view Decipher live projects in raw mode with a color-coded theme. This feature simplifies code review and enhances script readability without altering the original code. *(Technologies Used: JS, CSS)*

Ayurvedic Plant Detection Web App: Developed a web application that identifies medicinal plant species using machine learning. The app integrates TensorFlow, scikit-learn, and Flask to provide accurate plant classification. *(Technologies Used: JS, CSS)*

Covid-19 Visualization and Prediction: Developed a machine learning model using linear regression to predict the upcoming COVID-19 cases. *(Technologies Used: Python, Pandas, scikit-learn)*

Face Mask Detection: Developed a machine learning model using OpenCV, Tensorflow, and Pandas to detect face masks. *(Technologies Used: OpenCV, TensorFlow, Pandas)*

PUBLICATIONS

"Convolutional Neural Network Enactment Layer based Ambient Temperature Prediction of Electric Motor" - M. Shyamala Devi, Ritesh Ranjan, Utpal Kumar Sharma, Kumkum Kumari, and Akhil Duggishetti

April 2021 - Turkish Journal of Computer and Mathematics Education, vol. 12, no.9. pp. 1847-1855

CERTIFICATIONS AND COURSES

Python For Everybody Specialization - University of Michigan on Coursera

SEP 2020 - MAY 2021

An Introduction to Programming through C++ - NPTEL

JULY 2019 - OCT 2019

EDUCATION

M.Tech in Artificial Intelligence & Machine Learning - BITS Pilani, Work Integrated Learning Programmes (WILP)

2023 - present

CGPA: 7.52 (till 2nd sem.)

B.Tech in Computer Science and Engineering - Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai

2018 - 2022

CGPA: 9.03