Rahul Vishwakarma

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⚲ Burhanpur, India   ✉ karmarahul67@gmail.com   ▢ +91 9131114837   in/rahul-vishwakarma-101346192

SUMMARY

Versatile full-stack developer with a successful track record in diverse, real-world projects across various technologies. Skilled in adapting to emerging technologies, specializing in algorithmic trading, concurrent analysis of extensive datasets, and cybersecurity. Demonstrates robust leadership and team management skills, eager to contribute expertise to drive company success.

EDUCATION

Class 10th | Seva Sadan Higher Secondary School | 53%

Burhanpur, Madhya Pradesh | 2017

Class 12th | Seva Sadan Higher Secondary School | 53%

Burhanpur, Madhya Pradesh | 2019

B.Tech in Computer Science and Engineering | Bansal Institute of Research Technology and Science | 7.91 CGPA

Bhopal, Madhya Pradesh | 2023

CERTIFICATIONS

Advance Computer Application | Global Computer Training Academy | 2019

• Certified in Computer Hardware Specification, Computer Basics, Internet Working, MS-Office

Overview of Business Analytics using WEKA | Infosys | Springboard | 2023

• Certified in Sorting, Arranging and Analysing of Data Sets, and Possible outcomes of Datasets using WEKA Software

Geoprocessing Using Python | Indian Institute of Remote Sensing | 2023

• Certified in Analysing Geo and Spatial Data, Raster and Vector Data Processing, using Numpy, Pandas Libraries in Python

Data Mining and Decision Making: Data Mining for Answering Business Questions | Infosys | Springboard | 2023

Learn Ethical Hacking from Scratch | zSecurity | Udemy | 2023

• Certified in Hacking WiFi, Wireless networks, Creating Trojans, Bruteforce, Hooking Sites, Gaining Access to Computers, Finding Vulnerabilities in Websites, Injecting Codes, SQL Injection, Client Side Social Engineering Attacks

SKILLS

Programming Skills: HTML/CSS, JavaScript, Typescript, Python, C++, PHP, Kotlin, C#

Tools/Frameworks: Git, Data Structures & Algorithm, Django, Angular.js, Pandas, Vue.js, Numpy, React.js, Node.js, jQuery, Flask, Redux, Next.js

Databases: SQLite, MySql, Redis, MongoDB

Languages: Hindi (Native), English (Fluent)

PROJECTS

Vega - Copy Trading Project | github.com/Rahul-gif-asus/Vega_CopyTrading_Platform | July 2022 - November 2022

• A CopyTrading Program for StockMarket training.
• Tracks and stores trades simultaneously in different databases.
• Provides detailed analysis through various graphs.
• Stores data both on the cloud and locally.
• A beneficial tool for tracking, analyzing, and presenting trading mistakes to the user.

Node Translator | August 2021 - August 2021

• Sleek Node.js web app with MySQL database for translations.
• Dynamically translates text using Google Translate API.
• Fetches from the API if not found in the database.
• Stores translations for quicker retrieval, reducing reliance on Google Translate API.

• Supports 160 languages for a powerful and user-friendly translation solution.

Veronika - AI | May 2021 - August 2023

• AI perpetually upgraded for improvements, personalization, and increased power.
• Uses cutting-edge tech for data fetching, API analysis, language translation, and voice commands.
• Super intelligent with Internet privileges for versatile functionalities.
• Executes computer automation and diverse scripts for enhanced efficiency.
• Upcoming upgrades prioritize advanced functionalities, emphasizing ethical guidelines.

F.R.I.D.A.Y - AI

• Automated share market trading with Python, reducing workload and errors.
• Analyzed thousands of stocks swiftly for timely decision-making.
• Enhanced stock prediction with data-driven algorithms for efficient investments.
• Streamlined financial report processing, saving time and aiding decision-making.
• Increased productivity by minimizing manual research for agile responses to market changes.

The Social Network Site | March 2020 - April 2021

• Developed social network site with Node.js, MongoDB, PHP, and MySQL, resembling Facebook.
• Achieved 2000+ users, maintaining 300-500 monthly active users.
• Designed engaging UI using Pug, Tailwind CSS, and Bootstrap.
• Implemented real-time features with Socket.io: chat, likes, comments, user status.
• Utilized tech stack: Node.js, MongoDB, PHP, MySQL, jQuery, Pug, Tailwind CSS, Bootstrap.
• Notable functionalities: real-time chat, content posting, group creation.

EXPERIENCE

Internship on Space Launch Vehicle dedicated to small satellite | Omspace Rocket and Exploration Pvt Ltd. | Ahmedabad, Gujarat | December 2022 - January 2023

• Spearheaded cutting-edge rocket engine design projects, optimizing efficiency and performance.
• Demonstrated proficiency in industry-standard rocket design software, balancing digital design and analysis.
• Led efforts in fuel efficiency and thrust optimization, tailoring solutions to diverse mission requirements.
• Analyzed rocket trajectories and orbital dynamics, contributing to mission planning and execution.
• Acquired in-depth knowledge of various rocket fuels and implemented best practices for fuel efficiency.
• Actively participated in brainstorming sessions, contributing to new engine designs and innovative approaches.

Full Stack Developer | Student Diwan | Qatar | May 2024 - Present

• Developed and deployed a robust, scalable school management system.
• Designed to cater to multiple schools, allowing each institution to manage their operations efficiently.
• Supports various user roles, including students, teachers, and school administrators.
• Provides a seamless experience for all stakeholders.
• Facilitates management of students, teachers, and administrative tasks.
• Ensures scalability and robustness to handle multiple institutions simultaneously.

INVOLVEMENT

Co-Founder and Head | Express Yourself Community | May 2020 - February 2022

Bronze Medallist | Commutiny - The Youth Collective | Q-ki National Championship | June 2021 - August 2021

Database Management of 30-NGO's as Volunteer | Commutiny - The Youth Collective | November 2021 - February 2022

HOBBIES

In my free time, I am deeply engrossed in the world of algorithmic trading, finding joy in crafting trading strategies. I have a keen interest in observing international market trends and staying updated with current affairs on a global scale. Evening walks are a cherished routine, offering moments of reflection and clarity.