

Vishesh Chandrikapure

B.Tech. (Electronics & Communication Engineering), IIT Roorkee

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Registration No: 19116088/2023

EDUCATION

Indian Institute of Technology (IIT), Roorkee — *B.TECH, Electronics and Communication Engineering(ECE)*

Percentage: 67%

ST. Paul CO-ED School (CBSE), Bhopal — Intermediate (Class 12)

Percentage: 83%

ST. Paul CO-ED School (CBSE), Bhopal — Intermediate (Class 10)

CGPA: 8.4

PROJECTS

T20 world cup cricket data Analytics – Cricket Analysis [Python | Web scrapping | Pandas | Power BI]

March 2023

- Created a Power BI report to identify the top 11 players for a T20 cricket team by scraping data from ESPN Cricinfo with a Brightdata website tool, cleaning and transforming the data with pandas, and evaluating various player performance metrics.
- Used the resulting Power BI dashboard to select players for various categories (openers, middle order/anchors, finishers, all-rounders, specialist fast bowlers) and ultimately choose the top 11 players to play in the match.
- The selected team using the Power BI dashboard has 90% of the chances to win the game.

DRDO DGRE's VISION BASED OBSTACLE AVOIDANCE DRONE | Inter IIT Technical Meet 9.0 | IIT Guwahati

May 2022 - July 2022

- Developed the Web page for operating an autonomous drone, paying attention to user experience design principles and ensuring high functionality and aesthetic appeal.
- Designed and constructed an autonomous drone that navigates complex environments and avoids obstacles, achieving a top-6 ranking out of 15 competing institutes.
- Developed an algorithm for navigation that uses vision-based input to detect and avoid obstacles, ensuring safe and efficient operation in challenging conditions

AUVSI-SUAS Competition 2021, Maryland, USA | IIT Roorkee

May 2022 - July 2022

- Utilized Robotic Operating System (ROS) and Python for navigation, landing, and autonomous flight of the drone. Demonstrated strong problem solving skill.
- Optimized the algorithm for obstacle avoidance and path planning using computer vision, ensuring safe and efficient drone operation.



Summary

Highly motivated and skilled software developer with a strong focus on data structures and algorithms. Experienced in web development and software development. Proven ability to collaborate effectively in teams, creating user-friendly websites. Committed to continuous learning and staying up-to-date with the latest industry trends and technologies.

Skills

- Computer languages:** JAVA, Python, HTML, javascript, solidity, SQL
- Software Packages** Anaconda, Matlab, remix IDE, Visual Studio, JQuery, ExpressJS, Node.js, CSS, Bootstrap

Certification

- Google Data Analytics: Foundation Data, data everywhere
- Google Data Analytics: Ask Questions to Make Data-Driven Decisions

Position of Responsibility & Extra Curricular

Joint Secretary | Artificial Intelligence and Electronics Society | IIT Roorkee

- I participated in the prestigious Inter IIT Technical Meet 9.0, where I showcased my skills by simulating an autonomous drone using ROS. Among the fierce competition, I proudly secured the 6th position, demonstrating my ability to deliver outstanding results.
- I have successfully guided teams through three impactful projects, including Simulation using ROS, Antenna Tracker, and Weather Balloon. Through these experiences, I honed my collaborative skills and fostered an environment of innovation and growth.

Team Member | National Organization of Sports (Football) | IIT Roorkee

- Played an integral role as a valuable team member of the prestigious NSO football team, displaying exceptional teamwork, leadership, and sportsmanship qualities.
 - Competed in multiple local tournaments, consistently delivering standout performances and showcasing a high level of skill and dedication.
 - Demonstrated resilience, discipline, and a relentless drive for success through rigorous training sessions, maintaining peak physical fitness
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References

Vishvendra S. Poonia

Assistant Professor

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