

Srijit Bashyal

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Respected Hiring Manager,

I am Srijit Bashyal, a third-year bachelor's student. I am pursuing Technology and Engineering Science with a specialization in Mechanical Engineering. I am an ambitious and open-minded person driven by an entrepreneurial mentality and curiosity with keen interest in circular economy, sustainability, and passion for renewable energy engineering. I possess a characteristic that combines creativity with strong problem-solving, calculation, efficiency, and research and development-oriented skills. These have been honed through my experiences in various environments. Therefore, I present myself as a suitable candidate for your renowned organization.

During my tenure as a Junior Research Assistant at LUT University this summer, I led the research, development, design, and manufacturing of Savonius VAWTs, conducting comprehensive wind tunnel experiments and utilizing Python and Excel for data analysis. This research has excelled me in research, development, data analytics, and interpretation. My thesis was based on this research, which can also be found at <https://urn.fi/URN:NBN:fi-fe20230918130593>. In addition to my technical expertise, I am deeply passionate about simulation of the mechatronics systems and committed to sustainability, aligning perfectly with your company's mission. My ability to work independently and collaboratively with multidisciplinary teams further equips me to excel in your dynamic work environment.

Additionally, my proficiency in CAD modeling and manufacturing techniques was demonstrated in the development of the Voice Controlled Robotic Arm, showcasing my ability to overcome challenges in mechanical and electrical systems. Our team successfully designed and assembled the innovative system, overcoming challenges in mechanical precision and electrical circuitry. While we didn't meet all expectations, the experience enriched our abilities in building, designing, and programming. The integrated components, including motors, sensors, and a Raspberry Pi, highlighted our multidisciplinary expertise. The meticulously developed software encompasses various functionalities, from kinematics to interface design. We undertook this project utilizing Polyoxymethylene (POM), deepening our knowledge of composite materials. These experiences serve as a testament to my dedication, proficiency, and innovative thinking in the field of robotics.

With my previous experience, work ethic, and commitment, I am positive I can be a good Junior Research Analyst and can learn loads of things from the bright team at your organization. Thank you for your consideration and time. I am looking forward to learning more details about the open positions. I have attached my CV which explains more about my professional experiences.

Sincerely
Srijit Bashyal