



LANTERN ENGINEERING PTY LIMITED

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To whom it may concern

RE: Vacation work at Lantern Engineering

Lantern Engineering design and develop high technology communications products for the aerospace market. Lantern follows a V-model that guides a Systems Engineering approach from high-level needs down to detailed design and testing, then back up through verification and validation to ensure a functional system. This ensures all aspects of a project are considered and work together as a whole for a successful outcome.

During the university vacations, Lantern offer 3rd year students an opportunity to work under our senior engineers in their specific areas of interest for up to three months.

Sameer Shaboodien was one of three select students who had this opportunity during the 2023/2024 university break.

Sameer expressed interest in RF and high-speed processing and joined the RF software development team as an intern junior engineer for three months.

During his time at Lantern, Sameer had to skill up on the unit testing tools and processes used in a priority radio project. Sameer then had to apply what he had learnt to develop unit tests for core radio software for the team.

In addition, Sameer implemented a Raspberry Pi application that gathered IOT information from Wi-Fi enabled sensors (in the process also identifying an EMI protection flaw in the design).

Sameer was also required to re-write communications protocol software for an I2C and UART interface to support project specifications.

Sameer showed great teamwork, was willing to learn, tackle new tasks and always willing to help and share what he had learnt. I have no doubt he will be an asset to any development team. We wish him well in the rest of his studies and career.

Best regards

Martin Weiss
Production Manager
Lantern Engineering Pty Limited