A proton is moving with the velocity vector,

$$\vec{v} = 25000 \text{ m/s } \hat{\imath} + 42000 \text{ m/s } \hat{\jmath}$$

moving through a uniform magnetic field of

$$\vec{B} = 0.76 \ T \ \hat{\imath}$$

Determine the force on the proton in unit vector notation.