

Pranjul Kalsi

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Education

Thapar Institute of Engineering and Technology (TIET)

GPA: 6.35 / 10

B.E in Computer Science

Heritage School Jammu

85%

Class XII - Science

Heritage School Jammu

9.2/10

Class X

Courses

CFA Level I – Passed August 2022

Projects

Engineering design - Mangonel Project

TIET, India

- Constructed a roman catapult “mangonel”. Modelled trajectories of masses with and without aerodynamic drag.
- Analysed the static and dynamic stresses of elements of mangonel model.
- Developed and tested software code to process sensor data using Arduino Microcontroller and Validated theoretical model by comparison with actual experiment.

Engineering design - Buggy project

TIET, India

- Designed and implemented a 4-wheel path tracking buggy model using Arduino Microcontroller.
- Main objective of obstacle detection and rerouting
- Achieved 95 percent success rate in obstacle detection and 90 percent of rerouting success in 50 trials.

Entrepreneurship & Innovation – Price Drop

TIET, India

- Price drop, an ecommerce for enthusiast hobbyist, identified various stakeholders for the idea and developed value proposition.
- Prepared a Business Model Canvas and selected suitable finance and revenue models for start-up venture.
- Pitched the start-up idea to Entrepreneurship & Development cell (TIET).

Capstone project – Zeus Beta

TIET, India

- Real time traffic monitoring system with over-speeding detection, lane and parking management, using python.

Extra Curriculars

- **Debating and Quizzing** Actively participated in debates and quizzes in Kendriya Vidyalaya at sub-Regional and Regional levels
- **Science exhibitions** Won 2nd /10 position in interschool science fest held at Scindia School, Fort Gwalior
- **Trekking** Completed 3 13000ft+ trekking expeditions, avid interest in trekking and mountaineering.
- **Cryptocurrency investor** Early cryptocurrency investor, portfolio Ethereum, Ripple, Litecoin and Bitcoin.
- **Ornamental fish business** Ornamental fish breeder and Aquascaper for past 5 years, did 10 private client projects.