Aman Pratap Chandra

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Roll No: 2018EEB1139

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B. Tech - Electrical Engineering

Indian Institute of Technology, Ropar

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Indian Institute of Technology, Ropar	6.32 (Current)	2018-Present
Senior Secondary	CBSE Board	88.2%	2017
Secondary	CBSE Board	10.0	2015

PROJECTS

Spike-based Plasticity Circuits for Always-on On-line Learning in Neuromorphic Systems *Dec. 2019 - Jan. 2020*

Studying the Behaviour of an Event Driven Neuromorphic Systems which can have an on-line learning capability   ieeexplore.ieee.org/document/8702497

Perergine Falcon Drive *July 2020 - Aug. 2020*

Modelling a system in Simulink, model the equation of motion for a given set of drag parameters and model the wings opening to slow the bird down.

Netflix Movies and TV Shows *Oct. 2020*

I used NumPy, pandas, and matplotlib to show the various trends of the movies and TV shows through a pie chart, bar graphs.   https://jovian.ml/2018eeb1139/netflix-movies-and-tv-shows

TECHNICAL SKILLS

• **Programming:** C/C++, MATLAB, Verilog, R

• **Simulation:** LT Spice, MULTISIM

• **Computer:** MS word, MS Excel, MS PowerPoint, Google Docs

KEY COURSES TAKEN

• **Mathematics:** Linear Algebra, Basic Calculus, Differential Equations, Probability Stochastic Processes

• **Electrical and Electronics:** Electromechanics, Digital Circuits, Signal and Systems, Circuit Theory, Control Systems, Communication Systems, Electromagnetics, Basic Electronics, Power Electronics, Analog Circuits

• **Languages:** English, Spanish, Hindi

POSITION OF RESPONSIBILTY

•**Cricket Co-representative:** BOSA Club, IIT Ropar *Aug. 2019 - Apr. 2020*

•**Hospitality Team:** BOCA Club, IIT Ropar *Oct. 2018*

FIELD OF INTEREST

•**Circuit Designing:** LCR circuits, OP-amps circuits, Logic Gates

•**Device Physics:** Diodes, BJT, Transistors, OP-amps, MOSFET's