



Animesh Pareek

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DOB: Oct 30,2003

Address: 39-B, MIG Flats, New Delhi-110017



Education

IIITD (Indraprastha Institute of Information Technology Delhi)

B.Tech (ECE)
2021 –Present

CGPA: 8.50
(till 4th Semester)

Don Bosco School, New Delhi

CBSE
2018 – 2019

Percentage:93.2%
(Class 10)

Don Bosco School, New Delhi

CBSE
2020 – 2021

Percentage: 95%
(Class 12)

Skills

Expertise Area Embedded Systems, Algorithms and Data Structures, Game Development

Programming Language Java, C++, C, Python, Verilog

Tools and Technologies MATLAB, LTSpice, Xilinx HLS, Xilinx Vivado, SDK, Tinkercad, Figma, Miro, VS code, IntelliJ, Eclipse, Arduino, R, HTML, CSS, Pandas, NumPy, Matplotlib, Eagle Cad, Rstudio, libgdx, collab, GPU

Technical Electives Probability and Statistics, Econometrics-I ,Advance Programming, Data Structures and Analysis, Operating System, Machine Learning

Soft Skills Well Presentable, Good Communication Skill

Qualities Honest and strive to first time right

Internships and Work Experience

Research Internship in Algorithms to Architecture (A2A)Lab, IIITD

Co-Guide: Prof. Sumit J. Darak

Working on concepts involving Multi Arm Bandit System on Chip and Advanced Embedded Logic Design (and now some concepts of Deep Learning and Neural Networks) on FPGA

(May,2023 –August 2023)
Team Size-1

TAship for Maths-1

Have been Teaching Assistant for maths-1 course for a month

(Nov,2022 – Dec,2022)
Team Size-NA

Projects

Mini SPY Device (Pocket Listening Device / Hearing aid)

Co-Guide: Dr. Abhijit Mitra

Developed a Mini Device which uses an integrated circuit and integrates a condenser MIC and an earphone which could be used as a Hearing aid or as Spy Device.

(Mar,2023 – Apr,2023)
Team Size-2

Mini RC Plane

Co-Guide: Dr. Rahul Gupta

Made a mini-RC Plane for one of the Exhibition Events
I mainly Developed ESC and some part of PID controller

(Mar,2023 – Apr,2023)

Team Size-6

Data Analysis Project

Co-Guide: Dr. Gaurav Arora

Constructed a regression model to investigate the relationship between economic development and pollution levels, revealing insights into the EKC hypothesis. Utilized R's statistical capabilities to derive meaningful conclusions regarding the environmental impact of economic growth.

(Feb,2023 – Apr,2023)

Team Size-2

TankStars Game

Co-Guide: Prof Koteswar Rao Jerripothula

Utilized the LibGDX framework to build a dynamic and interactive gaming experience, a captivating replica of the popular Tank Stars game in Java.

(Nov,2022 – Dec,2022)

Team Size-2

FFT IP

Co-Guide: Prof Sumit J Darak

Creation of Fast Fourier Transform IP Using Vivado HLS Tool and Verifying it on FPGA using Zedboard

(Dec,2022)

Team Size-1

Assembler And Simulator of Assembly Language

Co-Guide: Prof Tammam Tillo

A Python based project which assembles and simulates a given pseudo Assembly language code (along with some graphical and memory representations)

(July,2022 – Aug,2022)

Team Size-3

File Compressor

Co-Guide: Prof Bijendra Nath Jain

A C based project for compressing and decompressing files

(July,2022 – Aug,2022)

Team Size-1

Elaz

Co-Guide: Prof Rajiv Ratan Shah

Crafted an intuitive and visually appealing UI/UX design of an all-in-one medical help app, integrating diverse features like symptom assessment, ordering medicine and telehealth consultations.

(Feb,2022 – Mar,2022)

Team Size-5

Positions of Responsibility

- Electroholics Club Core Member (Jan 2023–Present)
- ESYA'23 Part of Organization Team (May 2023 – Present)
- Summer Camp'23 Coordinator (Apr2023-Jun 2023)
- SoCQT Club Member (Nov 2022 – Present)
- Esummit'23 Organizing Team Member (Apr 2023)
- Astra'23 Organizing Team Member (Mar 2023)
- Odyssey'23 Part of Organization Team (Dec 2022 – Jan 2023)
- Maths Club Core Member (2018-2021)
- Student Council member at my school (2019-2020)
- Have done anchoring in events at my school (2019-2020)

Awards and Achievements

- Cleared JEE ADVANCED 2021 (and even 2022) with a good rank
- School Table Tennis Team Player
- A+ Holder in ELD and A/A- in many subjects

Interests

- Machine Learning- In specific Robotics field and Data Analysis + Fintech
- AI accelerated Hardware systems and VLSI design

Hobbies

Building Cool Things, Researching, Reading, Playing Chess and Football, Gathering Knowledge and Philosophy, chilling out with likeminded People and delivering Speeches

Declaration: The above information is correct to the best of my knowledge.

Animesh Pareek

Date: August 17,2023