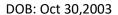


Animesh Pareek

Roll no: 2021131, Email: animesh21131@iiitd.ac.in



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



Education

IIITD (Indraprastha Institute of Information Technology Delhi)

B.Tech (ECE)

2021 -Present

Don Bosco School, New Delhi

CBSE

2018 - 2019

Don Bosco School, New Delhi

CBSE

2020 - 2021

(till 4th Semester)
Percentage:93.2%

(Class 10)

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CGPA: 8.50

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, Ecllipse, 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

(May, 2023 - August 2023)

Team Size-1

Logic Design (and now some concepts of Deep Learning and Neural Networks) on FPGA

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 (Mar,2023 – Apr,2023)

Co-Guide: Dr. Rahul Gupta Team Size-6

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

Data Analysis Project (Feb,2023 – Apr,2023)

Co-Guide: Dr. Gaurav Arora Team Size-2

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.

TankStars Game (Nov,2022 – Dec,2022)

Co-Guide: Prof Koteswar Rao Jerripothula Team Size-2

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

FFT IP (Dec,2022)
Co-Guide: Prof Sumit J Darak Team Size-1

Co-Guide: Prof Sumit J Darak

Creation of Fast Fourier Transform IP Using Vivado HLS Tool and Verifying it

on FPGA using Zedboard

Assembler And Simulator of Assembly Language (July,2022 – Aug,2022)

Co-Guide: Prof Tammam Tillo Team Size-3

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

representations)

medical help app, integrating diverse features like symptom assessment,

File Compressor (July,2022 – Aug,2022)

Co-Guide: Prof Bijendra Nath Jain Team Size-1

A C based project for compressing and decompressing files

Elaz (Feb,2022 – Mar,2022)

Co-Guide: Prof Rajiv Ratan Shah Team Size-5

Crafted an intuitive and visually appealing UI/UX design of an all-in-one

ordering medicine and telehealth consultations.

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
- Al 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