Kanav Pruthi

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Academic Details

Year	Degree	Institute	CGPA/Percentage
2019-2023 (Current)	B.Tech in Electrical Engineering	Indian Institute of Technology Delhi	9.00/10
2019	Class XII, HSC	Swami Vivekanand College, Navi Mumbai	90.00%
2017	Class X, ICSE	Lilavatibai Podar, Mumbai	95.20%

Scholastic Achievements

- Achieved rank **366** in **JEE Advanced** among top 1,50,000 candidates across the country, 2019.
- Achieved rank **536** in **JEE Mains** among top 1.2 million candidates across the country, 2019.
- Achieved rank **836** in **KVPY**, a research fellowship program for scholarship at IISc,Bangalore, 2019.
- Qualified for **Indian National Physics Olympiad(INPhO)** being amongst the **top 10** students in state in the **National Standard Examination in Physics(NSEP)** conducted by **IAPT**, 2019
- Ranked among **state wise top 1%** in **National Standard Examination in Physics(NSEP)** by **IAPT**, 2019

Technical Projects

Worked on a Android/iOS app for ride sharing for students   **DevClub IITD, May 2020 - July 2020**

- Worked on a Flutter app(in Dart) having several thousand lines of code, spread over more than 20 modules.
- Co-implemented dark mode, profile page and several dialog boxes, significantly improving the UI/UX design of the app.

Virtual Drumkit Instrument   **Personal Project, May 2020**

- Created a virtual instrument using JavaScript, HTML and CSS, to play a whole drumset, operated by a keyboard.

Built a grabber arm robot for Meshmerize, Techfest 2019   **Robotics Club IITD, Nov 2019 - Jan 2020**

- Designed the blueprint in AutoCAD, and built a working model with 3D printed acrylic, motors and grabber arms.
- Programmed the wireless remote control (IR Transmitter) to the Arduino UNO circuit (IR receiver).

Automated system for protection of wet clothes from rain   **Prof. P.V.M Rao, Oct 2019 - Dec 2019**

- Built a two way rotational model, to hang clothes on an aluminium frame that is shielded from rain by a plastic sheet.
- Programmed an Arduino UNO board to control servo motors on basis of presence of moisture (through hydro sensors) to control the position of frame and the rolling of plastic sheet to prevent clothes from getting wet in rain.

Technical Skills

Languages: Python, Java, JavaScript, Dart   **Softwares:** AutoCAD, MATLAB
Frameworks/Libraries: TensorFlow, ReactJS, jQuery, Flutter, mongoDB,Node.js   **Markup:** HTML,CSS,LaTeX

Relevant courses

- **Institute Courses:** Data Structures and Algorithms(Java), Introduction to Computer Science and Object Oriented Programming(Java and Python), Digital Electronics, Signals and Systems, Introduction to Probability Theory and Stochiastic Processes
- **Online MOOCs:** The Complete 2020 Web Development Bootcamp(Udemy), The Complete 2020 Flutter Development Bootcamp(Udemy), Complete 2020 Python Bootcamp, Jose Portilla(Udemy), Complete 2020 Data Science and Machine Learning Bootcamp(Udemy), JavaScript Algorithms and Data Structures Masterclass(Udemy)

Extra Curricular Activities

- General competitive coding rank in range **2600-2700** on **Hackerrank**, with more than 4400 points
- Mentored 2 students in their 12th std for competitive examinations, and helped increasing their performance and efficiency by over a **30% improvement** over a course of **6 months**. They are currently freshmen at **BITS Pilani (Hyderabad), India** and **IIIT Pune, India.**