

CHANDRA VIJAY SINGH

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EDUCATION

Course	Institute	Year of Passing	Result
B.Tech (Major: EE)	IIT Jammu	May 2025	7.3 CGPA
12th Standard	A.M.U	Mar 2021	90%
10th Standard	R.R.K. SENIOR SECONDARY	May 2019	94%

SCHOLASTIC ACHIEVEMENTS

- Achieved ranking of 3704 (cat) in JEE ADVANCED (2021)

PROJECTS

DOA Classification using Deep Learning for Passive SONAR (Jan 2024 - Apr 2024)

Deep Learning , IIT Jammu

- Designed and built a Deep Learning Model for DOA classification in passive SONAR systems
- Trained the model to accurately determine the Direction Of Arrival (DOA) using a 10-second sound clip as input
- Focused on ensuring the model's output angle for DOA was representative of the accurate direction of arrival for the given sound clip
- Utilized sophisticated techniques to optimize the model's performance and accuracy

Vacuum Bug Catcher (Mar 2023 - May 2024)

Development In Product, IIT Jammu

- Designed and developed an innovative insect killer/picker utilizing cutting-edge suction technology in DIP.
- Implemented engineering techniques to optimize the performance and efficiency of the device.

Washing Machine Controller

- Designed and implemented necessary logic and functionality code in VHDL for automatic washing machine
- Ensured accurate control and functionality of washing machine

SKILLS

Programming Languages	C/C++, Python
Web Development	Flask, HTML, CSS, Javascript, Bootstrap, Grid, Flexbox, Node.js, Express.js, MongoDB, React.js
Softwares	Git, MySQL, Onshape, Vivado, Ltspice, Autocad, Solid Works, ADS, Canva, Figma
Miscellaneous	Problem Solving, Data Structure and Algorithm

ADDITIONAL DETAILS

Awards

- Awarded Second prize in CADSTAR 3.0 event of Technunctus 2023.
- First Prize in E sports at Pravaah 2023 and Pravaah 2022.
- Second prize in TT at Pravaah 2022

Memberships

- Core Team Member - Coding Club IIT Jammu

Position of Responsibility

- Hospitality Team at Technunctus 2023

Workshops and Training Attended

- Designing of RF Circuits using ADS software - IEEE MTTS SBC IIT JAMMU

Extracurricular Activities

- Volunteered in Technunctus 2022, Renao 2022, Renao 2023.

Hobbies: Badminton, Chess , Volleyball , TT.

Languages: English , Hindi