

Abdul Jabbar Khan

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EDUCATION

- Rajiv Gandhi University of Knowledge Technologies - Nuzvid**
Bachelor of Technology - Electronics and Communication Engineering *Expected graduation: 2028*
CGPA: 8.71 / 10.0 (3 semesters)
- Rajiv Gandhi University of Knowledge Technologies - Nuzvid** 2022-2024
Pre-University Course - MPC, CGPA: 9.79
- MPL H S BOYS - Paradesampeta** 2021-2022
SSC, Percentage: 96.5%

SUBJECTS

Engineering Mathematics, Data Structures using C, Engineering Physics, Object-Oriented Programming through C++, Electronic devices and circuits, Signals and Systems.

PROJECTS

- 3D animation for physics (Learn-VPython)** **Python, VPython**
Independent Project **GitHub Repository**
- Engineered a suite of interactive Jupyter Notebooks utilising the VPython library to teach how to model and visualise physical simulations in three-dimensional space mathematically.
 - Demonstrated deep proficiency in vector calculus, classical kinematics modelling, and object-oriented Python programming for scientific visualisation.
- Hardware-Interfaced Cryptographic [Morse] Decoder** **C++**
Independent Project **GitHub Repository**
- Designed hardware to intercept, decode, and translate hardware-generated (pushbutton) Morse code signals in real-time.
 - Demonstrated advanced capabilities in low-level memory management via C++.
- Hardware-Interfaced Morse Encoder** **C++**
Independent project **GitHub Repository**
- Designed and programmed C++ hardware interfaces to accurately encode user messages in Morse Code and transmit them in real-time.

TECHNICAL SKILLS

- Programming Languages:** Python, C, C++, MATLAB Coding, Verilog HDL.
- Technical Tools:** MATLAB, Xilinx Vivado and Git/GitHub,

SCHOLASTIC ACHIEVEMENTS

- Reliance Foundation Undergraduate Scholarship (2024):** Awarded this highly competitive national merit-cum-means scholarship for exceptional academic performance and aptitude.
- NPTEL Silver Medalist (2025):** Achieved a 79% in the "Mathematical Foundations for Machine Learning" certification conducted by IISc Bangalore, demonstrating strong foundational knowledge in Linear Algebra, Probability, and Multivariable Calculus.

POSITIONS OF RESPONSIBILITY

Student Representative | Helping Hands NGO

2024 – Present

- Spearheaded a campus-wide micro-donation initiative, delivering weekly motivational addresses to student cohorts to secure funding for economically disadvantaged peers.
- Co-organised comprehensive health and welfare initiatives, successfully executing campus blood donation and specialised eye-care camps.

State-Level Team Manager | SGFI Yoga

2024

- Managed state-level logistical operations, travel coordination, and tournament compliance for junior athletes.
- Mentored team members on performance execution and resilience, coordinating directly with coaching staff to maintain a disciplined, supportive environment.

Volunteer | National Service Scheme (NSS)

2023 – 2025

- Completed a rigorous two-year Government of India community service mandate.
- Spearheaded large-scale environmental campus cleaning drives and executed the equitable distribution of essential educational supplies to student cohorts.