

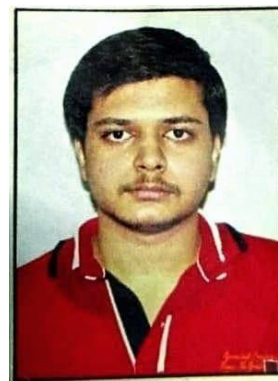
# PRITHWIRAJ BOSE

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## Career Objective:

Electronics and Communication Engineering graduate seeking a challenging role to utilize technical knowledge and problem-solving skills. Eager to contribute to cutting-edge projects, work in dynamic teams, and gain hands-on expertise in hardware and software integration.

## Educational Qualifications:

Qualification	Name of Institution	Year of Passing	Percentage/CGPA
Bachelor of Technology in Electronics and Communication	Puducherry Technological University	May 2025	7.89
H.S.C	Don Bosco School, Park Circus (ISC)	2021	91%
S.S.C	Don Bosco School, Park Circus (ICSE)	2019	93%

## Technical Skills:

- **Programming Languages:** C, C++, C#, Python, Java, Embedded C, 8086, ARM-7
- **Machine Learning & AI Integration (MATLAB, Scikit-learn, Python)** – Applied supervised learning (Decision Trees) and ML-driven optimization in simulations, including overload prediction, adaptive rerouting, and bandwidth optimization in 5G-V2X environments.
- **Networking and Firewall:** OSPF, VPN, Subnetting, ClusterXL, VSX, CCVS, MDS, Troubleshooting
- **Web Development:** HTML5, CSS3, JavaScript
- **RDBMS:** MS Access
- **Operating System:** Windows XP, Windows 7, Windows 10, Windows 11
- **MS Office:** Word, Excel, PowerPoint, Access, Outlook
- **Tools Work with:** MATLAB 2021, SUMO, GAIA-OS, PuTTY, CheckPoint Dashboard, GNS3
- **Soft Skills:** Problem-solving, Leadership, Teamwork, English Communication (Written and Spoken), Project Management, Flexibility, Time Management

## Experience:

### Network and Security Engineer-L2

July 2025-August 2025

Maple Technology, Kolkata

- **Networking:** Designed and troubleshooted GNS3 OSPF topologies with multiple areas, virtual links, /27 subnets, VPN setup, subnetting, and routing verification.
- **Firewalls:** Configured and managed Checkpoint firewalls with ClusterXL, VSX virtual firewalls, VPN policies, SIC reset, and policy troubleshooting.

## Project Work:

- **5G-V2V Network Simulation (major project)**  
Simulation of 5G-V2V network for autonomous vehicles
- **Smart Vehicle Monitoring System (minor project)**  
Arduino based hardware simulation of a smart car
- **Platformer Games**  
3D platformer games using C# and Blender
- **FM Transmitter**  
Analog IC based FM Transmitter circuit.
- **Digital Speedometer**  
Digital Speedometer for a Bicycle using Arduino

## Training:

### CCVS & MDS Training by NetGems

- Acquired practical skills in networking such as subnetting, OSPF design, routing strategies, and VPN implementation on GNS3.
- Gained exposure to Checkpoint firewall management covering ClusterXL, VSX, CCVS, and MDS (Multi-Domain System), along with policy setup, SIC handling, and issue resolution.

## Certifications:

- **NetGems:** CCVS & MDS
- **NPTEL:** Ethical Hacking, Soft Skills
- **Smartknower:** ML Course

## Extracurricular activities:

- Winner of Hostel Chess Tournament 2023
- College Football Team 2022-2023

## Personal Details:

- Date of Birth: 08/12/2003
- Nationality: Indian
- Gender: Male
- Marital Status: Single
- Languages known: English, Hindi, Bengali
- Hobbies: Listening to music, Playing Chess, Travelling, Bike riding, Video gaming