

Jainam Bheda

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Education

Dwarkadas J. Sanghvi College of Engineering

Bachelor of Engineering in Electronics and Telecommunication (GPA: 9.27 / 10.00)

Willingdon College

Senior Secondary, HSC (Grade: 77.5%)

Expected July 2026

Mumbai, Maharashtra

May 2020 – June 2022

Sangli, Maharashtra

Experience

JES(Non-Profit Organization)

IT Secretary

June 2025 – Present

Mumbai, Maharashtra

- Managed hostel WiFi for 150+ residents, ensured network security, and resolved IT issues.
- Applied networking concepts to enhance Wi-Fi coverage and speed by 25% and digital infrastructure within the hostel premises
- Managed the JES website to ensure smooth functionality and improved accessibility.

Career Helps

Business Analyst Intern

March 2025 – May 2025

Mumbai, Maharashtra

- Utilized Power BI to design interactive dashboards, providing actionable insights into business performance and client trends
- Conducted in depth market research and competitor analysis to support strategic planning and decision making
- Collaborated with business development team to identify new opportunities, resulting in a 12% increase in client engagement, and drive growth initiatives.
- Identified a high-potential target segment, driving 150+ new client acquisitions (20% growth in a month).

Projects

VisionText Real Time TTS system for blind individuals | Node.js, Tesseract.js, ESP32-CAM, Text-to-Speech, IoT

- Designed and developed an assistive device for the visually impaired using OCR and Text-to-Speech (TTS), which allows real-time audio feedback from printed text.
- Implemented Tesseract.js for optical character recognition and converted text to speech for seamless audio output.
- Integrated ESP32-CAM for live image capture and used OpenCV for accurate text detection and preprocessing.
- Achieved 85–90% text detection accuracy and successfully tested with visually impaired users in real-world.
- Enabled Wi-Fi communication between ESP32-CAM and Node.js server, achieving image transfer under 2 seconds for real-time OCR.

PingWriteSim | Java, Java Swing, Protocol Simulation, Java.net, Networking fundamentals

- Built PingWriteSim in Java (Swing) with 3 integrated modules: Ping Tester, Code Editor, and ARP Protocol Simulator.
- Implemented custom ARP simulation allowing unlimited IP-to-MAC mappings with real-time output display
- Enabled ping testing for any host/IP and Java code execution with live output in a unified, interactive GUI.
- Helps users test network connectivity, run Java code, and simulate ARP protocols in one interface.

Technical Skills

Languages: Java, C++, C, JavaScript, Assembly Programming Language

Backend Technologies: Node.js, Express.js

Databases: MySQL, MongoDB

IoT and Embedded Systems: ESP32, Wifi communication, Arduino UNO, Sensor interfacing

Concepts: Object-Oriented Programming, Data Structures and Algorithms (DSA), OS Fundamentals and Computer Networks

Achievements

- Solved 500+ problems on LeetCode, demonstrating strong DSA and problem solving skills on leetcode.com
- Earned a 5-star SQL badge on HackerRank and completed SQL50 on LeetCode, showcasing SQL query proficiency on hackerrank.com
- Published a research paper in the college magazine Waves for the VisionText project; selected among 180+ students across India for Innovation and Social Impact.
- Co-organized *Unplugged 1.0* (2024) as an IETE committee member, attended by 200+ students.