Paramveer Singh

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EDUCATION

The LNM Institute of Information Technology   Jaipur, India
Bachelor of Technology, B.Tech in Computer Science and Engineering   *Expected May 2027*
  − Cumulative GPA: **9.65 / 10**
  − Department Rank: 1st out of 240 students.
  − Recipient of Vandana Jain Scholarship for Highest CGPA among 2400+ B.Tech students.

WORK EXPERIENCE

Undergraduate Research Intern (LUSIP)   Summer 2024
LNMIIT, under Dr. Preety Singh   *Jaipur, India*
  − Designed a Neural Network to classify Reddit post-reply pairs as support, neutral, or against (1, 0, -1)
  − Scraped data from Reddit's r/IsraelPalestine using Selenium and hand-labeled over 6000 post-reply pairs with a 5-member team, to create a robust training data set for the model.
  − Used Python's NLTK Library to find a Co-Relation between the Sentiment of a Post and the Likes it has.

PROJECTS

Micromouse Bot | *C++, Raspberry Pi Pico, PID Control, Flood Fill* | (Github)   2024 - 2025
  − Built a tiny 10cm by 8cm maze-solving robot using the Flood Fill algorithm on Raspberry Pi Pico W.
  − Used 3 Infrared Sensors for wall detection, MPU6050 module for gyroscope data, and N20 Motors with Encoders for bot movement.
  − Reduced IR sensor reading time from **300μs (official library) to 20μs** by writing custom sensor code.
  − Used PID Control Algorithm for precise $90 \pm 0.1°$ turns and smooth navigation.
  − Used Interrupts, System Timers, and Multicore Programming to efficiently handle sensor data and control loops.
  − Secured 1st place in 3 National Micromouse competitions, including IIT Roorkee Cognizance '25, DTU Invictus '25, and BITS Pilani Apogee '25, winning over 1 Lac in Cash Prizes.

Codeforces Sheet Progress Tracker | *JavaScript, HTML/CSS, Codeforces API* | (GitHub, Live Site)   2024
  − Created a progress tracker website for the popular CP-31 problem sheet.
  − Fetched user submissions using the Codeforces API and displayed solved problems.
  − Designed an intuitive UI for users to track practice progress.

CODING PROFILES

Codeforces: Specialist (Max Rating: 1567) – Profile Link

CodeChef: 3-Star (Max Rating: 1747) – Profile Link

POSITIONS OF RESPONSIBILITY

Coordinator – Sankalp Club: Social Welfare Club of LNMIIT   Mar 2025 – Present
  − Led 150+ student volunteers and directed major campaigns under Sankalp
  − Organized the Village Project and Cloth Distribution Drives for underprivileged communities

Problem Setter and Tester – Cybros: Coding Club of LNMIIT   Aug 2024 – Present
  − Delivered a Talk on Time Complexity to 200+ first-year students.
  − Created and tested 2 original problems for intra-college coding contests

TECHNICAL SKILLS

Technical Skills: C/C++, Python, Java, HTML/CSS, JavaScript, SQL, Git, Github

CS Fundamentals: Data Structures and Algorithms, Object-Oriented Design, Database Management, Computer Networks, Operating Systems.