Prithvi Vijay

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Education Qualifications

B.Tech in Electronics & Communication Engineering

Arya College of Engineering and IT, Rajasthan Technical University |2023 - 2027|

Nimawat Public School, Fatehpur, Rajasthan — 10th |2020 - 2021|

Matrix High school, Sikar, Rajasthan— 12th |2022 - 2023|

SKILLS

Programming Languages: Java, C, SQL, Bash
Core Concepts: Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA), Software Development Life Cycle (SDLC)
Web Technologies: HTML5, CSS3, JavaScript
Frameworks & Libraries: Node.js, Express, Bootstrap (MERN stack)
Tools & Platforms: Git, GitHub, VS Code, Canva, Google, Final Cut Pro
Databases: MySQL, MonoDB
Competitive Programming: Solved multiples problems on LeetCode (focus on *arrays, strings, recursion, and graphs)*
Professional Strengths: Cross-functional Team Collaboration, Technical Presentation Delivery, Efficient Execution, Strategic Decision-Making

PROJECTS

IPC-Section-Awareness

- Developed a neural network in Python to automatically predict the relevant IPC (Indian Penal Code) section based on offense text input
- Built an end-to-end ML pipeline in a Google Colab notebook, handling data preprocessing, model training, evaluation, and validation.

Chat-Bot

- Developed a Python-based chatbot using an open-source conversational engine to handle user queries and generate responses with natural language understanding.
- Designed and integrated a conversation management pipeline—including input processing, response retrieval, and iterative training—showcasing end-to-end chatbot development and deployment.

AI - Based Fashion Model (Extension)

- Built an end-to-end AI pipeline for virtual fashion modeling, including garment segmentation with SAM and realistic try-on synthesis .
- Automated image-to-image garment overlay and generative avatar rendering in Python, demonstrating advanced skills in GANs and computer vision workflows.

Achievements/Experience

- **Smart India Hackathon (SIH) –** Finalist (September 2023 & December 2024)
  Participated in the *national-level hackathon* solving real-world challenges proposed by government bodies.

- **Ace Hack 3.0 & 4.0–** University of Engineering & Management, Jaipur (2024 & 2025)
  Collaborated in a team to *build a chatbot* project for smart interaction.
  Developed a *disaster alert aggregation system* using Node.js and Express.

- **Code-A-Manipal –** Manipal University Jaipur (March 2025)
  Built a *fashion recommendation engine* using AI-based logic.

- **Placement Coordinator –** Arya College of Engineering & IT (Appointed placement coordinator to manage *campus drives* and student–recruiter communication)

- **Startup Expo, E-CELL ACIET-** Built a prototype to promote *IPC sec awareness* through a social-impact project.

- **Technical Club Contributor -** Contributed to college's *robotics and coding club*, mentoring juniors and supporting project-based learning.

CERTIFICATION

- **Python for the Web** – SkillEcted (Bootcamp)
- **Introduction to Cloud** – IBM (Cognitive Class.ai)
- **EUREKA** – Discover, Pitch, Thrive (ACEIT)
- **SQL for Data Analysis** – SkillEcted (Bootcamp)