ARYA PUTATUNDA

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Education

B.Tech – SRM IST, Delhi NCR Ghaziabad   Sep 2022 – May 2026
CGPA: **8.33/10**

Skills

- **Programming Languages:** Python, C, C++, SQL (Postgres, MySQL), JavaScript, HTML/CSS, Ruby, Dart
- **Frameworks/Libraries:** React, Node.js, Flask, Django, Next.js, LangChain, MongoDB, FastAPI, Flutter, Android Studio, AWS, Azure
- **Developer Tools:** Git, Docker, Google Collab, GCP, VS Code, PyCharm, Bash
- **Libraries/Technologies:** Pandas, NumPy, Matplotlib, TensorFlow, PyTorch, OpenCV, Gemini, OpenAI, Tessaract OCR, Apache Kafka, Cassandra

Work Experience

AI/ML Lead – HackHound, SRM IST, Ghaziabad   Mar 2023 – Present
- Trained a Vision Transformer for chatbot applications and mentored peers in Deep Learning and AI concepts.
- Built a full-stack web application using Next.js, React.js, MongoDB, TensorFlow with AI integration.
- Organized major events like HackIndia, SpectrumSync, and Hackhound MLH Collaboration.

AI/ML Core Member – Google Developer Student Club   Sep 2023 – 2024
- Achieved **Top 5** position at Research Summit for UAV Drone and chatbot performance monitoring project.
- Contributed to data science and analytics projects, collaborating with cross-functional teams.
- Ranked among the **Top 50 coders** on campus according to GFG statistics for DSA excellence.

Projects

Smarty Pants GitHub   Sep 2024 – Present
- Developed a web learning platform with financial services using **Next.js, Tailwind CSS, Google Gemini**.
- Integrated **JWT Auth**, Express.js APIs, and machine learning face detection.
- Visualized user statistics to improve learning experiences.
- Qualified for the **Smart India Hackathon** at the national level.

A Custom x86 Operating System GitHub   Sep 2025 – Present
- Developed a 32-bit operating system from scratch for the x86 architecture using **C and x86 Assembly**.
- Implemented fundamental OS features including a bootloader, kernel initialization, interrupt handling, and memory management.
- Utilized a complete toolchain of **Make, GCC, GDB, and QEMU** for building, debugging, and emulation.

Achievements

- First to reach **1992 (Candidate Master)** on Codeforces in entire campus.
- 1st Rank in Internal Smart India Hackathon Qualifiers.
- CodeChef 6-star with **2228 Elo**.
- LeetCode: **2101 rating** (top 1.05%) with 600+ problems solved.
- Global Rank **37th** in a Codeforces contest and **1st** in a CodeChef contest.
- Top 50 in National Hackathon Hack-Innovate for ML Pose Estimation Project.