

AMRITA PRADEEP ANIYATH

COMPUTER SCIENCE UNDERGRAD | PASSIONATE DEVELOPER & PROGRAMMER

CONTACT

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- Github: [Github Amrita](#)

EDUCATION

B.Tech in Computer Science

- PES University - EC, Bengaluru
- 2024 - 2028
- CGPA: 7.75+
- Distinction Award

Relevant Uni Coursework:

- Python for Computational Problem Solving
- Problem Solving with C
- Data Structures & Applications
- Web Technologies
- Automata Formal Languages & Logic
- Digital Design & Computer Applications

SKILLS

Technical:

- Python (HackerRank Certified)
- Neural Networks (IBM)
- NLP & Computer Vision (IBM)
- Ethical AI (IBM)
- Gen AI (Google Skills Boost)
- LLMs (Google Skills Boost)
- Prompt Engineering
- Data Analytics (IBM)
- MATLAB (Basic)
- C Programming
- ROS2 (In progress)

Tools:

- Python (HackerRank)
- Google Colab
- Figma
- Git & Github

Soft Skills:

- Problem Solving
- Critical Thinking
- Attention to Detail
- Adaptability
- Communication

PROFILE

I'm a second-year Computer Science and Engineering student passionate about the intersection of hardware and software - anything from web development, Cybersecurity, embedded systems to AI/ML and even quantum computing. My recent robotics project, which integrates sensor networks with conversational AI, reflects my fascination with intelligent systems. I'm particularly drawn to open-source development, where collaborative innovation thrives. When not experimenting with circuits or exploring cybersecurity concepts, I channel my analytical mindset into writing fiction and poetry - finding that the same principles of structure and creativity apply to both code and storytelling.

EXPERIENCE

PROJECT INTERN - CRAIS LAB | IEEE RAS (ONGOING)

Github link: [IEEE_Robotics_Amrita](#)

- Developed a human-interactive robot using ultrasonic sensors for presence detection, servo motors for directional response, and OpenCV-based face/object recognition to enable contextual awareness and engagement. [Robotics Vision Amrita](#)
- Built an AI conversational system with Gemini API integration, speech processing (STT/TTS), and Arduino-Python communication, allowing the robot to detect humans, process queries, and respond intelligently in real time. [AI assistant Amrita](#)

KODE WITH KLOSSY - WEB DEV SCHOLAR

- Co-developed "Justice4Earth" - A digital platform dedicated to combating climate change and addressing climate injustice through education, advocacy, and actionable solutions.
- Currently leading efforts to optimize and scale the platform for broader deployment, ensuring accessibility and impact.

SOCIAL MEDIA MARKETING - NEURAL HIVE (AI/ML CLUB)

- Contributor to upcoming AI/ML blog
- Assisted in the conduction of workshops and other events.

LOGISTICS HEAD/RESEARCH TEAM - QUANTUM COMPUTING CLUB

- Research at QuaNad lab (Quantum and Nano devices Laboratory)
- Assisting in the conduction of upcoming events such as a Quantum Hackathon, Quantum Computing Lecture series, Qiskit Fall Fest etc.

LEARNING JOURNEY/CERTIFICATIONS

INTRO TO PROGRAMMING WITH PYTHON (HACKERRANK, DEC 2024)

Credential: [Hackerrank Python Amrita](#)

ARTIFICIAL INTELLIGENCE FUNDAMENTALS (IBM, MAY 2025)

Credential: [IBM AI Amrita](#)

- Neural Networks | Ethical AI | NLP & Computer Vision

GENERATIVE AI & LLMS (GOOGLE CLOUD, MAY 2025)

Credential: [Google GenAI Amrita](#), [Google LLMS Amrita](#)

- GenAI | LLMS | GenAI Applications | Prompt Engineering

DATA FUNDAMENTALS (IBM, APRIL 2025)

Credential: [IBM DS Amrita](#)

-Data Science | Data Analytics | Data Cleaning