

ARNAV WANI

B.E. COMPUTER ENGINEERING

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Github: <https://github.com/Arn05> · Pune, India

TECHNICAL SKILLS

- Programming Languages: Python, Java, C++
- Database: MySQL, MongoDB, Oracle
- Web Development: HTML, CSS, FastAPI
- Data Analysis and Visualization: Pandas, NumPy, Matplotlib, Seaborn
- Machine Learning and AI: Tensorflow, keras
- Cloud and DevOps: AWS, Docker

SOFT SKILLS

- Team Work
- Resilient
- Analytical
- Communication
- Agile Learner
- Efficiency-Driven



WORK EXPERIENCE

- Intern – Machine Learning & Deep Learning | AITech Training & Solutions, Pune | January 2025 – March 2025
 - Worked on a Uterine Fibroid Detection System using Python and Deep Learning, gaining hands-on experience in model building, data analysis, and medical image processing.

PROJECTS

QUANTUM COMPUTER SIMULATOR | C++, CUDA, CMAKE

Built a C++/CUDA simulator for quantum circuits supporting multi-qubit gates and measurements, optimizing performance with GPU acceleration. Applied quantum and parallel computing techniques to simulate complex quantum states efficiently.

MICRO-DOPPLER BASED TARGET CLASSIFICATION | PYTHON, TENSORFLOW, FASTAPI

Created a micro-Doppler-based target classification system using FMCW radar to distinguish drones and birds with a precision of 97%.

APPRAISAL SYSTEM | PYTHON, MYSQL

This application streamlines appraisal form completion with simple ratings for work quality and speed, using Python, MySQL and Matplotlib to boost accuracy and efficiency, reducing process time by 50%.

ATMOSPHERIC IONIC THRUSTER

- Developed and tested an innovative ionic thruster system, achieving a remarkable speed of 5 m/s using 500kV DC voltage in atmospheric conditions.

EXTRACURRICULAR ACTIVITIES AND TECHNICAL CLUBS INVOLVEMENT

- Lead of a technical club NextGen Developers Club.
- Led a team of six as Tech Lead in the Autonomous Ground Vehicle Championship at PCCOER, demonstrating leadership and technical skills.
- Member of the Executive Team for the "Google Developers Students Club," contributing to a team of 37 dedicated individuals.
- Volunteer for GDSC-WOW event in a team of 93 members.
- Event and Execution Head of CodeCraft Club of 65 members, organized coding competitions and promoted competitive programming.
- Completed 7 Grades of Trinity Rock and Pop Exam for Drums.
- A member of the Drama Club and participated in the "Firodia Karandak" state level drama competition with a team of 35.

EDUCATION

Savitribai Phule Pune University

Bachelor of Engineering in Computer Engineering

CGPA: 8.7

November 2022 - June 2026

D.A.V. Public School, Pune

12th CBSE

Percentage: 78.2

June 2021 - June 2022

D.A.V. Public School, Pune

10th CBSE

Percentage: 91

June 2019 - June 2020

HOBBIES

- Playing Drums
- Playing Guitar
- Canvas Painting
- Reading
- Playing Football, Basketball

LANGUAGES

- English
- Hindi
- Marathi
- Sanskrit

COURSES AND CERTIFICATIONS

- Oracle Certification:DP Database Programming with SQL
- Introduction to GenAI by Google Cloud.
- Microsoft: Fundamentals of AI
- Amazon Web Services: Cloud Architect Certification
- Python for AI, Data Science and Development (Audit Course)