ARNAV WANI B.E. COMPUTER ENGINEERING

Phone number: +91 8308207611 · Email id: arnav.wani3@gmail.com · Pune, India
Linkedin: www.linkedin.com/in/arnav-wani

Motivated Computer Engineering student with expertise in Python, Machine Learning, AI, and cloud technologies. Skilled in Java, C++, and databases. Strong leadership in tech projects and clubs. Passionate about learning, problem-solving, and continuously improving my skills to drive innovation and growth.

TECHNICAL SKILLS

- Programming Languages: Python, Java, C++
- Database: Oracle, MySQL, MongoDB
- Web Development: HTML, CSS
- Data Analysis and Visualization: Pandas, NumPy, Matplotlib, Seaborn
- Machine Learning and AI: Tensorflow, keras
- OS: Windows, Linux (Ubuntu), MacOS

SOFT SKILLS

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

PROJECTS

OPTIMAL SHIP ROUTING | PYTHON, INCOIS API, NOSQL,
Developing a graph-based algorithm for real-time maritime route optimization, factoring in weather, wind, ship type, and fuel efficiency to minimize fuel use by 20% while ensuring safety.

AURORA VOICE ASSISTANT | GOOGLE GEMINI API, PYTHON, MYSQL
Engineered the Aurora voice assistant project on a modular platform utilizing the Google Gemini API, enabling seamless integration across multiple applications, including defense and medical sectors, enhancing operational versatility.

MICRO-DOPPLER BASED TARGET CLASSIFICATION | PYTHON, TENSORFLOW
Created a micro-Doppler-based target classification system using FMCW radar to distinguish drones and birds with a precision of 75%.

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 | RESEARCH PAPER
- Developed and tested an innovative ionic thruster system, achieving a remarkable speed of 5 m/s using 500kV DC voltage in atmospheric conditions.
- Authored and submitted a research paper detailing experimental setup, methodologies, and results; earned peer review approval.

EXTRACURRICULAR ACTIVITIES AND TECHNICAL CLUBS INVOLVEMENT

- Lead of a technical club NextGen Developers Club.
- Co-Lead for Google Developers Student Club.
- Led a team of six as Tech Lead in the Autonomous Ground Vehicle Championship at PCCOER.
- Member of the Executive Team for the "Google Developers Students Club," contributing to a team of 37.
- Volunteer for GDSC-WOW event in a team of 93 members.
- Event and Execution Head of CodeCraft Club of 65 members, hosted 3+ coding events with 200+ participants, improving club engagement by 40% 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.
- Introduction to Tensorflow for AI, ML and Deep Learning. (Audit Course)
- Amazon Web Services: Cloud Architect Certification
- Python for AI, Data Science and Development (Audit Course)