Aarya Butolia

Ahmedabad, GJ | aarya.23bai10414@vitbhopal.ac.in | +91 92656 31039 | LinkedIN | GitHub | LeetCode

Education

Vellore Institute of Technology	Bhopal, MP
Bachelor of Technology in Computer Science Engineering (Specialization in AI and ML)	September 2023 – Present
	CGPA: 8.97/10

Delhi Public School, Bopal, Ahmedabad	Ahmedabad, GJ
Higher Secondary Education (CBSE)	March 2021 – April 2023
	Percentage: 90.8%

Delhi Public School, Surat	Surat, GJ
Secondary Education (CBSE)	March 2019 – March 2021
	Percentage: 94.6%

Technologies

Languages: Python, C++, C, Java, JavaScript, HTML, CSS, MySQL
Frameworks: Flask, Tailwind CSS, Bootstrap CSS
Libraries: NumPy, Pandas, Matplotlib, Requests, BeautifulSoup
Tools & Platforms: Git, Oracle Cloud Infrastructure, Microsoft Azure, MATLAB, Simulink

Projects

StockWise - AI-Powered Stock Forecasts & Alerts | *Python, Flask, MySQL, Prophet* — Nov 2024 – Dec 2024
GitHub
- Developed a full-stack web application delivering automated daily SMS stock alerts for S&P 500 stocks, achieving 95% accuracy in price trend predictions using Prophet machine learning model.
- Integrated Twilio API for real-time notifications and Flask-MySQL backend, optimizing API calls and reducing response times by 40% through efficient data caching and visualization.

Billboard-Sync-Spotify | *Python, BeautifulSoup, Spotify API, OAuth2* — Oct 2024 – Nov 2024
GitHub
- Engineered an automated Python application that creates Spotify playlists from historical Billboard Hot 100 charts, implementing web scraping techniques for over 60 years of music data.
- Designed secure OAuth2 authentication with Spotify API integration, achieving 98% success rate in song matching and reducing data extraction time by 60% through optimized scraping.

Achievements & Certifications

NPTEL - Cloud Computing (92%) - Top 1%ile Nationwide — May 2025
Secured 3rd rank overall and 1st among boys at VIT Bhopal University, conducted by IIT KGP.

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional (96%) — July 2025
Gained expertise in LLM architectures, prompt engineering, and deploying AI models on Oracle Cloud Infrastructure.

Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate — July 2025
Developed foundational understanding of machine learning algorithms, neural networks, and AI implementation strategies.

Oracle Certified MySQL Implementation Certified Associate — June 2025
Acquired proficiency in database design, optimization, backup strategies, and performance tuning for enterprise applications.

Microsoft Certified - Azure Data Fundamentals DP-900 (955/1000) — June 2025
Learned data analytics, data warehousing concepts, and Azure data services for scalable cloud-based solutions.

MATLAB - Simulink Onramp — June 2024
Learned model-based design principles, simulation techniques, and control system modeling using Simulink.

MATLAB - Onramp — August 2023
Gained proficiency in MATLAB programming fundamentals, matrix operations, and data analysis techniques.

Extra Curricular Activities

Contributor - GSSOC'25   July 2025 – Present
GirlScript Summer of Code
As a GSSOC 2025 contributor, I collaborated with maintainers on open-source projects, resolving issues and implementing new features. Gained hands-on experience in software development workflows.

Core Member - PR & Outreach, iOS Club   July 2024 – Present
VIT Bhopal University
Organized and conducted the iOS Unlocked event (Oct 2024), boosting developer community engagement.

Program Representative, AI & ML Branch   Oct 2024 – Jan 2025
VIT Bhopal University
Facilitated communication between AI/ML students and faculty while coordinating academic initiatives and branch development programs.

Core Member - PR & Outreach, MUN Club   Oct 2024 – Jan 2025
VIT Bhopal University
Organized MUN-Mate (Oct 2024), enhancing participants' public speaking and diplomacy skills.