Aryan Puri

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Education

Vellore Institute of Technology, Bhopal *2023 - 2027*

B.Tech - Computer Science and Engineering (Cyber Security & Digital Forensics) *CGPA - 8.96* *Bhopal, MP*

Technical Skills

Languages: Python, C++, SQL, Java, Kotlin

Technologies/Frameworks: Jupyter Notebook, Pandas, NumPy, Matplotlib, Scikit-learn, Tkinter, Git, Github, Jetpack Compose, Retrofit, Jetpack DataStore, Jetpack Navigation, MVVM Architecture

Developer Tools: VS Code, PyCharm, Eclipse, StarUML

Software Application: Adobe Premier Pro

Projects

Solace - Personal Wellness Companion | ***Kotlin, JetpackCompose, MVVM, Retrofit*** *August 2025*

- Developed a native Android application using Kotlin and Jetpack Compose, adhering to modern MVVM architectural patterns.
- Engineered a data persistence layer with Jetpack DataStore to securely save user-generated content and settings locally.
- Integrated the Spotify Android SDK and API with Retrofit to allow users to create a personalized music library by assigning moods to playlists.
- Implemented a feature that suggests and plays personalized music by mapping user-assigned moods to their Spotify playlists.
- Crafted a polished UI with custom animations and a dynamic theme using Jetpack Compose's advanced graphics libraries.

YouTube Video Content Generator | ***Python, Flask, React.js, GeminiAPI, Node.js*** *2025*

- Developed a full-stack web application for YouTube content creators to generate catchy video titles and SEO-optimized descriptions using Generative AI.
- Engineered a Flask API backend in Python to handle AI requests, manage API keys securely using python-dotenv, and process responses.
- Integrated with the Google Gemini API for text generation. Managed API integration challenges and implemented robust error handling. Designed effective prompt engineering for relevant and SEO-friendly content. Gained experience in Python virtual environments, Node.js, and API consumption.

EV Security | ***Python, Jupyter Notebook*** *2024*

- Identified and alleviated cyber threats to EV charging infrastructure using the CICEVSE dataset that integrates network traffic information with HPC kernel-level event logs from charging stations.
- Experimented with different machine learning models for binary and multi-class classification, effectively identifying anomalies and potential security vulnerabilities.

Extracurricular

- Core team member of 2 Social media clubs
- District Level Chess Player
- School Debate Team
- School Cricket Team member

Certifications

- GEN AI by IBM
- AWS Academy Cloud Foundations
- AWS Academy Machine Learning Foundations
- AWS Academy Machine Learning for Natural Language Processing