



ARNAV BHARTI

Course : **B.E. (Hons.)**, Computer Science and **M.Sc. (Hons.)**, Biological Science, 2027

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CGPA : 8.03



ACADEMIC DETAILS

COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	Kothari International School	CBSE	92.8 %	2022
CLASS X	Kothari International School	CBSE	98.5 %	2020

Subjects / Electives	Data Structures and Algorithm, Object Oriented Programming, Deep Learning, Database Systems, Computer Programming, Microprocessor & Interfacing, Discrete Structures, Logic in Computer Science
Technical Proficiency	Python, JavaScript, TypeScript, Dart, Flutter, React Native, Firebase, Django, PyTorch, Linux, SQL, Java

INTERNSHIPS

App Developer, Interface	Jan 2025 - Feb 2025
<ul style="list-style-type: none"> Built cross-platform mobile app using Expo, React Native, and TypeScript to scan barcodes, call APIs, and improve workflows Integrated camera access, authentication, and caching, and converted detailed Figma designs into responsive, high-quality mobile UI Resolved iOS & Android differences in camera, UI, and storage handling, ensuring consistent cross-platform performance and reliability 	
Android Developer, Indian Institute of Quantitative Finance (IIQF)	Jul 2024 - Aug 2024
<ul style="list-style-type: none"> Built Jetpack Compose-based Android app in Kotlin using MVVM, delivering event and webinar updates with smooth UI architecture Integrated Retrofit, Room, WorkManager, and FCM for real-time sync, offline support, background jobs, and high-performance APIs Implemented notifications, background services, and efficient local storage using modern architecture and Kotlin best practices 	
Backend Developer, MASTH Life - Ultrahive Healthcare Pvt Ltd	May 2024 - Jul 2024
<ul style="list-style-type: none"> Built multi-tenant authentication and document management APIs using Django REST, with CRUD, roles, and normalized schema Integrated Gemini, LangChain, and Vertex AI APIs to enable retrieval-augmented generation with context-aware, grounded responses Engineered a modular backend system supporting uploads, downloads, renaming, and organisation-level access control with user roles 	

PROJECTS

Official Fest Apps for BOSM '23, Oasis '23 and APOGEE '24 - Mobile Application Development	Feb 2023 - Mar 2024
<ul style="list-style-type: none"> Built and deployed Flutter apps for 8K+ users, enabling 1.5Cr+ revenue through food ordering, ticketing, and event management tools Implemented Figma designs using custom painters and animations, creating responsive and visually engaging mobile app interfaces Developed QR-based ticket scanner, FCM-powered notification manager, and order management system for real-time event operations 	
Cancer Classification using CNN - Deep Learning	Mar 2025 - Apr 2025
<ul style="list-style-type: none"> Trained MobileNetV2/V3-based skin cancer classifier with PyTorch achieving 68% accuracy through transfer learning and fine-tuning Applied class weighting, data augmentation, dropout, and ReduceLROnPlateau to tackle class imbalance and improve generalization Built custom dataset, DataLoader, and classifier heads, evaluated with confusion matrix and F1-scores to ensure real-world reliability 	
Investigating the Epigenetic Landscape of Severe Malaria - Data Analysis	Jan 2024 - Present
<ul style="list-style-type: none"> Analyzed genome-wide DNA methylation in <i>P. vivax</i> isolates using Python, Bash, and CLI tools; paper currently in preparation Automated workflows and created custom scripts to run genomic tools and generate visualizations with matplotlib and Linux utilities 	
Command Line Based LLM Agent - AI/ML	Jul 2025 - Jul 2025
<ul style="list-style-type: none"> Built a CLI-based LLM agent using Python and Gemini API with tool-use, memory, and file interaction for command-line automation Enabled directory crawling, Python script execution, and file editing through natural language using a dynamic agentic architecture 	

POSITION OF RESPONSIBILITY

APOGEE Joint Coordinator - Department of Visual Media	May 2024 - Present
<ul style="list-style-type: none"> Led a 33-member tech team delivering apps, websites, games, and media for 9K+ attendees, contributing to over 2 Cr in festival revenue Directed cross-team coordination, set tech goals, managed timelines, and ensured high-quality deliverables across APOGEE and Oasis. 	

CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY
Supervised Machine Learning: Regression and Classification	Stanford Online and DeepLearning.AI