

# ARNAV BHARTI

Computer Science at BITS Pilani, India

+91 97737 00286 ✉ f20221585@pilani.bits-pilani.ac.in [🌐 linkedin.com/in/arnavbharti01](https://www.linkedin.com/in/arnavbharti01) [🐙 github.com/arnavbharti](https://github.com/arnavbharti)

## Academic Details

---

### Birla Institute of Technology and Science, Pilani

*Bachelor of Engineering (Honours) in Computer Science*  
*Master of Science (Honours) in Biological Science*

**Graduating 2027**

*Pilani, Rajasthan*

### Kothari International School, Noida

*All India Senior School Certificate Examination – 94%*  
*All India Secondary School Examination – 98.5%*

**Apr. 2019 - June 2022**

*Noida, Uttar Pradesh*

## Summer Internship / Work Experience

---

### MASTH Life – Ultrahive Healthcare Pvt Ltd

*SDE Intern*

**May 2024 – Jul. 2024**

*Remote*

- Implemented backend for multi-tenant authorization and **CRUD** document management system for a **RAG** web app.
- Designed and implemented 11 **OpenAPI** specification **RESTful APIs** using **Django** Rest Framework in **Python**.
- Designed & normalized the database schema and integrated **Gemini API** for LLM & **LangChain API** for retrieval.

### Finoq Eduversity Pvt Ltd

*Android App Developer*

**Jul. 2024 – Aug. 2024**

*Remote*

- Developed an Android app using **Kotlin** & **Jetpack Compose** to deliver notifications and show webinars and events.
- Delivered notifications using **Firebase Cloud Messaging**. Follows Modern App Architecture & dependency injection.
- Made API calls using Retrofit and cached data using Room. Synced data in background using WorkManager.

## Projects

---

### Department of Visual Media, BITS Pilani

*Mobile App Developer*

**Feb. 2023 – May 2024**

*Pilani, Rajasthan*

- Developed iOS and Android apps using **Flutter** for college fests serving **8000** users generating **INR 1.5Cr+** revenue.
- Implemented event management system, notification system and food ordering system to facilitate fest experience.
- Implemented college navigation by **Google Maps API**, authentication by **Google Sign-In** & FCM notifications.

## Research

---

### Investigating the Epigenetic Landscape of Severe Malaria

**Jan. 2024 - June 2024**

- Analyzed genome-wide methylation of *Plasmodium vivax* clinical isolates. Accepted for Proceedings of Malaria Journal.
- Analyzed 60GB+ DNA data efficiently and generated plots using Python and libraries such as **matplotlib** & **pandas**.
- Automated analysis tools using **Python** and **Bash** scripts. Increased workflow speed using **GNU/Linux CLI** tools.

## Position of Responsibility

---

### Department of Visual Media

*Joint Coordinator*

**May 2024 – Present**

*BITS Pilani*

- Led **33** people in developing apps, websites & videos for **7000** attendees of Oasis 2024, BITS Pilani generating INR 85L.

## Relevant Coursework

---

Computer Programming, Object Oriented Programming, Logic in CS, Discrete Structures in CS, Digital Design.

## Technical Skills

---

**Languages:** Python, Java, Javascript, Dart, C, SQL, HTML, CSS

**Technologies:** Flutter, Django & Django REST Framework, React, Firebase, Git, Linux, Jetpack Compose

## Certification

---

- Supervised Machine Learning: Regression and Classification (Stanford University)

*Issued June 2024*