



Arnav Amit Angarkar

Roll No: 24bcs015

Bachelor of Technology (B.Tech) in
Computer Science and Engineering

Indian Institute of Information and Technology, Dharwad

+91 9022392820

arnav.angarkar20@gmail.com

24bcs015@iiitdwd.ac.in

GitHub

LinkedIn

EDUCATION

- Indian Institute of Information and Technology, Dharwad** 2028
Bachelor of Technology in Computer Science Engineering
- Chanakya Junior College** 2024
Maharashtra State Board Percentage: 82%
- Loyola High School** 2022
Maharashtra State Board Percentage: 89.8%

EXPERIENCE

- IISc (Indian Institute of Science)** December 2024 - Present
ML/AI Intern Bangalore
– Working on a GoK DULT project awarded to Aarnaq, CPDMed TBI, IISc, Bangalore
- Brahmand - Vishwakosha** Fall - 2024
Research Intern Pune
– Re-Developing Vishwakosha website (<https://www.brahmandexploration.com/>)—a digital guide to the wonders of the universe.
– Enhanced website design and functionality to improve user experience and accessibility.
- Brahmand - YantraSoft** Winter - 2024
AI Chatbot Developer Pune
– Developing an AI-based chatbot to streamline the satellite development process by automating common queries and tasks.
– Enhance chatbot accuracy and responsiveness.
- Oasis Infobyte** October 2024 - November 2024
Web Development Intern Dharwad, Karnataka, India (Remote)
– Interned at Oasis Infobyte as part of the Web Development and Designing program. Worked on multiple tasks involving designing and developing responsive web pages using HTML, CSS, and JavaScript.

PROJECTS

- Dynamic API for NoSQL Query** December 2024
Fall 2024
– Tools & Technologies used: MongoDB, Pymongo, Postman, Curl JavaScript
– Developed a backend API that performs upsert operations (single and bulk operations) in MongoDB. The API allows users to specify collection name, filter conditions, and update fields.
– Implemented flexible input handling for unstructured data in filter and update operations.
– Validated required fields to ensure correct data structure and handled errors with meaningful messages.
– Ensured the API could update existing documents or insert new ones based on the provided criteria.
- Binary Classification Web App** December 2024
Fall 2024
– Tools & Technologies used: Streamlit, Python, Scikit-learn
– Built a powerful web application using Streamlit to predict binary outcomes, allowing users to classify data points as belonging to one of two classes.
– The app leverages multiple machine learning classifiers, including Support Vector Machine (SVM), Logistic Regression, and Random Forest, to deliver accurate predictions on any given dataset.
- Health Hub 360** September 2024
Fall 2023
– Tools & Technologies used: Flask, Jinja, HTML, CSS, JavaScript
– Developed a digital platform to assist patients in managing booking appointments, and connecting with healthcare providers.
– Implemented features for automated inventory management of medicines in hospitals and clinics.
– Designed user-friendly interfaces and ensured seamless navigation for an enhanced user experience.

•AutoML-MLOps Platform Prototype

October 2024

Fall 2024

- Tools & Technologies used: H2O.ai, MLflow, Streamlit, Prefect, LangChain, LLaMA
- Designed an end-to-end AutoML platform with automated model training, experiment tracking, and task orchestration for machine learning workflows.
- Implemented a user-friendly interface using Streamlit and integrated LLM-based bot features for user guidance.
- Developed wireframes focusing on seamless user journeys and planned for scalability, community features, and flexible hosting.

•BMP Image Filter

August 2024

Fall 2023

- Tools & Technologies used: C, Command Line
- Developed a command-line tool that applies various filters (grayscale, sepia, reflection, blur) to BMP image files.
- Implemented algorithms to process image data efficiently, ensuring high-quality output while optimizing for speed.
- Utilized a Makefile for easy compilation and integration with other tools.

TECHNICAL SKILLS AND INTERESTS

Languages: C, C++, Python, Java, LaTeX, HTML, CSS, JavaScript, SQL, Postman

Frameworks: Flask, Streamlit, Jinja, Langchain , Django , MongoDB

Machine Learning: H2O.ai, MLflow, Hugging Face, scikit-learn, PyMongo

Orchestration & Automation: Prefect, Airflow

ACHIEVEMENTS

- **96.6 Percentile** in JEE Mains out of 2.5M candidates in India 2024
- State Rank **2500** in MH Common Entrance Test out of 130k candidates in the state of Maharashtra 2024
- Received a special mention in the **Hack2Future Hackathon** as part of the only freshman team to qualify for the final round out of 400+ applicants. 2024
- Active contributor to the **Netflix** and **Google Bug Bounty** programs, successfully identifying and reporting security vulnerabilities. 2022 2024

POSITIONS OF RESPONSIBILITY

- Basketball Team Captain: Led high school basketball team in district-level matches, promoting teamwork and strategic play. 2 Years
- Participated in Pune District Basketball Association, representing my school and enhancing my skills. 1 Year
- Organized inter-school basketball tournaments, overseeing logistics and promoting sportsmanship. 1 Year
- Actively involved in organizing school sports events, fostering a spirit of competition and community. 2 Years