

BHASKAR AGARWAL

Gurugram, Harayana, 122413

📞 +91-6306528200 ✉ bhaskar.bva08@gmail.com 🔗 [linkedin.com/in/Bhaskar_Vivek_Agarwal](https://www.linkedin.com/in/Bhaskar_Vivek_Agarwal) 🌐 github.com/BhaskarBMU

Education

BML Munjal University

Bachelors of Technology in Computer Science

Aug. 2021 – Aug 2025

Gurugram, Harayana

Boys High School

ICSE, ISC

March. 2009 – April 2021

Prayagraj, Uttar Pradesh

Experience

Centific Premier Hackathon

Participant

Sep 06 – Sep 22 2024

Hyderabad, Telangana

- Engineered robust user collaboration features, implemented version control systems, and developed session management functionality for active users within a complex workflow environment, enhancing team productivity and ensuring data integrity.
- Designed, created, and rigorously tested various APIs using Postman, facilitating seamless integration between different components of the system and enabling efficient data flow across the platform.
- Developed a React.js frontend for DAG workflow visualization, while implementing logging systems, metrics analysis, and dashboards in Databricks, enhancing data pipeline observability and user interaction

Sabudh Foundation

Data Science Intern

April 2023 – July 2023

Saket, New Delhi

- Architected and implemented an advanced NLP pipeline utilizing Databricks workflow, enabling efficient processing of 100,000+ tweets and articles.
- Leveraged Databricks' distributed computing capabilities to perform sophisticated topic modeling and sentiment analysis, resulting in a 25% reduction in pipeline output time.
- Implemented a REST API for the NLP pipeline using Databricks' MLflow, enabling real-time access to engagement scores and social media insights across internal systems.

Projects

Sound Slice | Flutter, Replicate API, Firebase, Deep Learning

Nov 2024

- Developed a Flutter application that separates audio files into vocals, bass, drums, and other components using a deep learning model trained on the MUSDB-18 dataset.
- Selected and fine-tuned the Hybrid Demucs Model for its superior SDR (8.6) and SIR (18.2), achieving 153% better SDR and 119% better SIR than the U-Net model, ensuring enhanced sound quality.

Quiz Quest | React JS, MongoDB, Node JS, Firebase

Oct 2024

- Designed and implemented an online quiz platform leveraging React.js, Socket.IO, and Firebase to facilitate seamless real-time interactions for over 50 concurrent users.
- Integrated Firebase Authentication for secure user login and session management, ensuring a reliable and user-friendly experience.

3DIFY | MERN, Docker, Replicate API, LLMs

Sep 2024

- Developed a React.js website using the MERN stack to transform multilingual text into multi-view images and 3D models, improving accessibility and engagement.
- Built custom AI models for multilingual prompts, generating tailored 3D outputs based on user preferences to enhance interactivity.

Technical Skills

Languages: Python, Java, HTML/CSS, JavaScript, SQL, Dart

Developer Tools: VS Code, Eclipse, Postman, Android Studio

Technologies/Frameworks: Node, React, Flutter, Firebase, Express, MongoDB

Accomplishmens/Co-Curricular

- Solved 500+ DSA Problems on multiple websites including GFG, Leetcode
- On Campus SIH Qualifier
- Qualified for top 100 for centific hackathon with over 2000 participants.
- Organizing Committee Member, HackBMU 5.0. A hackathon conducted by ACM club of BMU where hundreds of students participate.