

SHREYAS DEB

Hyderabad, India • shreyas.deb@research.iiit.ac.in • + 91 9686531527 • [LinkedIn](#) • [GitHub](#)

EDUCATION

IIIT-HYDERABAD

MS By Research in Computational Natural Sciences

Hyderabad, India

2023-2028

IIIT-HYDERABAD

Bachelor of Technology, Computer Science

Hyderabad, India

2023-2028

EXPERIENCE

ECELL - IIIT HYDERABAD

Hyderabad, India

Technical Team Member

2024-Present

- Contributed to the development and maintenance of the E-Cell website, utilizing Bootstrap CSS for responsive design and Liquid template language for dynamic content rendering.
- Managed and documented code changes using Git, ensuring effective version control and collaboration within the team.
- Identified and resolved technical issues, ensuring the website's functionality and stability.

TECHNICAL SKILLS

- Programming languages:** C, C++, Java, Python, SQL, Bash
- Web Technologies:** HTML, HTML5, CSS, Tailwind CSS, Bootstrap CSS, JavaScript, jQuery, React.js, Next.js, Node.js, Flask, ESLint, Typescript
- Databases:** MySQL, PostgreSQL
- Python Libraries:** TensorFlow, PyTorch (Deep Learning); Scikit-learn, XGBoost, LightGBM (Machine Learning); Pandas (Data Analysis); Matplotlib, Seaborn, Plotly (Data Visualization); NumPy, SciPy (Scientific Computing); SymPy (Symbolic Mathematics); Flask, Tkinter (Web and GUI Development); Beautiful Soup, Requests (Web Scraping and HTTP Requests); OpenCV (Computer Vision); SQLAlchemy (Database ORM)

PROJECTS

UTILITY APPS

October 2024-November 2024

- Developed a Next.js-based suite of mini utility apps, designed for versatility and daily use
- Built responsive, user-friendly interfaces for various tools: QR Generator, SGPA Calculator, Dictionary, Currency Converter, Color Picker, Weather App, Markdown Editor, and PDF Merger.
- Integrated APIs (Free Dictionary, FreeCurrency, OpenWeather) for real-time data and functionality.
- Designed modular architecture to support future feature expansion.

Y2K VIDEO EDITOR

January 2024-March 2024

- Designed and implemented a responsive UI for a video editing web-app using HTML, CSS, and JavaScript.
- Developed backend infrastructure with Flask and Python, handling application logic and server-side operations.
- Utilized MySQL for efficient data management, including user profiles and media storage.
- Implemented user registration and login systems, administrative tools for content and user management, and enabled image and audio file uploads.

ADDITIONAL INFORMATION

- Certifications:** Machine Learning Specialization (*DeepLearning.AI*), Summer Analytics (*IIT Guwahati*), QxQ Quantum Computing (*IBM*)
- Soft Skills:** Adaptability, Problem-Solving, Algorithmic-Design, Attention-to-detail, Creativity
- Languages:** Bengali, English, Hindi, Kannada