Areeb Ahmed Shariff

(+91) 95913-07017 | areebshariff@acm.org | linkedin.com/areebahmeddd | github.com/areebahmeddd

EDUCATION

Dayananda Sagar College of Engineering <div align="right">Bengaluru, India</div>
Bachelor of Engineering – Computer Science and Business Systems <div align="right">2022 – 2026</div>

TECHNICAL SKILLS

Frontend Development: JavaScript, HTML, CSS
Developer Tools: MySQL, PostgreSQL, MongoDB, Amazon Web Services, Docker, Postman, GitHub
Backend Development: Python, Java, Go, SQL

EXPERIENCE

Student Intern <div align="right">October 2023 – November 2023</div>
National Institute of Technology Karnataka <div align="right">Bengaluru, India</div>

- Conducted API testing using Postman to validate HTTP responses and JSON data.
- Developed to-do web application using HTML, CSS, and JavaScript for task management and organization.
- Developed contact manager web application using MERN (MongoDB, Express.js, React, Node.js) stack, based on a client-server model for centralized contact storage.

OPEN SOURCE CONTRIBUTION

QuizQuest | *TypeScript, Next.js, Tailwind, Firebase, Vercel* <div align="right">[Contributions]</div>

- Implemented **quiz lock and delete functionality** in the admin panel.
- Improved admin panel UI with **default sorting by USN for quiz records**.
- Fixed bugs related to **incorrect POST request to Firebase in edge cases** and **inaccurate display of file name during quiz uploads**.

PROJECTS

Insight Ink | *Flask, BeautifulSoup, Scikit-learn, Matplotlib, React, AWS Amplify* <div align="right">[GitHub]</div>

- Developed an **automated feedback system** providing data visualizations on news article sentiment, department-wise distribution, and overall coverage insights from selected news agencies.
- Integrated asynchronous processing using **asyncio and aiohttp libraries** to scrape articles from national and regional media websites, together with **OpenAI Whisper API** for parsing YouTube videos.
- Trained **BERT model** using **PyTorch framework** on a labelled dataset of news articles for sentiment analysis, achieving an accuracy of 81%.
- Implemented **Support Vector Machine algorithm** combined with **Text Lemmatization** and **TF-IDF vectorization** to analyze a diverse dataset for department categorization, achieving an accuracy of 95%.

Surf | *Tkinter, BeautifulSoup, PyTesseract* <div align="right">[GitHub]</div>

- Developed an **anonymous search engine** performing text and image searches across major engines–Google, Bing, and Yahoo.
- Implemented custom sorting algorithm using **Heap data structure** to rank top 10 out of 30 search results based on factors such as popularity and recency.
- Integrated proxy functionality using **PySocks library**, resulting in a 25% drop in IP address tracking and a 15% decrease in unauthorized attempts to access search result data.

Archiva | *Flask, SQLite, Bootstrap* <div align="right">[GitHub]</div>

- Developed a **cloud-enabled file management system** supporting file upload, view, download, and delete operations on public and private servers.
- Implemented secure authentication using **project database validation** and session management using **Flask-Session extension** to prevent unauthorized access during user sign-in and sign-up.

LEADERSHIP POSITION

Founder <div align="right">September 2023 – Present</div>
Scratch – Dayananda Sagar Institutions <div align="right">Bengaluru, India</div>

- Organizing monthly Hackathons, Ideathons, and more.
- Conducting workshops on technologies such as Spatial Computing, 3D Printing, and more.