Deeshank Batra

🌐 Portfolio | 🔗 Codolio | 💼 Deeshank Batra | ✉ batradeeshank18@gmail.com | 📞 +91-9981210428

EXPERIENCE 🎋

Raja Ramanna Centre for Advanced Technology(Department of Atomic Energy) - Trainee May 2024 - June 2024
Tech Stack: MongoDB, ReactJS, Node.js, Express.js, Chart.js, Table.js
- Developed a comprehensive **Attendance Dashboard**, enabling department heads to access detailed statistics on employee attendance, including **in-time**, **check-in/check-out status**, **leave/absence status**, and **division/section-wise breakdowns**.
- Implemented a robust **MongoDB aggregation pipeline** to efficiently manage a dataset encompassing over **1,500 employees** and handling historical data, processing over **3.2 million** records for the current year alone.
- Initially created a prototype of the application, which underperformed with **large datasets**. To troubleshoot this issue, I improved the **MongoDB aggregation pipeline** and introduced **parallel pipelines** for faster data retrieval in large datasets, significantly enhancing performance.
- Designed intuitive **UI components** and interactive **data visualizations** using **Chart.js** and **Table.js**, enhancing accessibility and ease of use for end-users.

PROJECTS 🖥

ClumsyReader: AI-Powered PDF Reader Link To Github
Tech Stack: Next.js, Firebase, Vercel Blob, Pinecone, LangChain, Gemini
- Developed an **AI-powered PDF reader** to simplify complex documents like legal papers and research papers, improving accessibility for users.
- Built a **real-time chatbot** for document interaction, enabling users to query and receive context-driven responses instantly.
- Reduced **query response time** to **2-3 seconds** for **30-page PDFs**, enhancing system performance.
- Integrated **AI** and **LangChain** to improve content analysis and deliver accurate, context-driven responses.
- Implemented **Pinecone** to speed up document chunk retrieval, optimizing search and analysis accuracy.

ClumsyInterviews: AI-Powered Mock Interview Platform Link To Github
Tech Stack: Next.js, MySQL, Google Gemini AI, Clerk
- Developed an **AI-powered interview simulator** that allows students to practice technical skills and communication with real-time feedback, enhancing overall interview readiness.
- Created a **real interview environment** tested by **20+ participants**, where users practice with **real-time feedback**, improving both technical and communication skills.
- Integrated **AI** to provide **real-time feedback**, boosting interview performance for **15+ students**.
- Utilized **MySQL** to manage **100+ interview records**, ensuring seamless database communication and data integrity.
- Developed a scoring system to **compare user answers with AI responses**, offering personalized feedback for improvement.

TECHNICAL STRENGTHS ⚙

Programming Languages: C++, JavaScript, SQL.
Frameworks/Libraries: ReactJs, NextJs, ExpressJs, NodeJs.
Developer Tools: MySQL Workbench, Github.
Platforms: Linux, Windows.
Subjective: Data Structures and Algorithms, OOPS Concepts, Operating Systems, DBMS, Web Development.
Soft Skills: Problem-solving, Troubleshooting, Communication, Teamwork, Adaptability, Time management.

EDUCATION 🎓

Institute of Engineering And Technology, Indore, India 2021 - 2025
Bachelors of Engineering in Electronics And Telecommunication Engineering GPA: 7.26/10.0

South Indian Cultural Association, Indore, India 2019-2021
Intermediate CBSE Board Percentage: 92.1%

POSITIONS OF RESPONSIBILITY 👥

OVERALL COORDINATOR - ECELL, IET DAVV 2023-Present
Learnings: Social Media Strategy, Content Creation, Event Management, Audience Engagement, Team Coordination.
- Spearheading the **overall coordination** of ECELL activities, primarily supervising **production, media, and design** teams to ensure cohesive and high-quality content for entrepreneurial events.
- Played a pivotal role in coordinating major events like the **Entrepreneurial Summit (E-Summit)** and **Innovision**, successfully securing a reach of around **300k+** on social media platforms, showcasing strong **event management** and **content creation** skills.
- Supervised updates and improvements to the **ECELL website** to enhance user experience and align with the goals of Innovision, fostering better engagement and visibility.

GAMING HEAD - PHOENIX GAMING, IET DAVV 2023-2024
Learnings: Tournament Organization, Marketing Campaigns, Community Engagement, Team Leadership
- Led the **gaming division** at Phoenix Gaming, overseeing all **gaming-related activities** and initiatives.
- Organized and managed over **20 gaming tournaments** with a total participation exceeding **2000 gamers**.
- Coordinated **marketing campaigns** and **live streaming efforts** to enhance tournament visibility and engagement.
- Achieved significant **live stream impressions** and **viewer engagement**, contributing to the growth of Phoenix Gaming's gaming community.