Abhijit Deka

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PROFESSIONAL SUMMARY

Motivated **UI/UX Designer and MERN Stack Developer** with experience in accessibility-focused tools like Eye Mouse and Hand Controller. Proficient in **Python**, **DSA**, and front-end frameworks, with a track record of creating user-centric designs and scalable web solutions. Certified in **Google Site Reliability Engineering** and **UI/UX Design**, showcasing a commitment to innovation and continuous learning. Eager to solve complex challenges and contribute in collaborative, team-oriented environments. Fluent in English, Hindi and Assamese.

EDUCATION

Bachelor's in computer science | 2023-2027
Cotton University, Guwahati
- Relevant Coursework: C Language, Python, JavaScript, AIML, Discrete Mathematics, Digital Logic.
- Minor: Mathematics

WORK EXPERIENCE

UI/UX Designer | NOV'2024-FEB'2025 [Expected]
The Assigner
- Created user-friendly designs to improve functionality and user engagement by 20%
- Conducted research and prototyping to ensure user-centered solutions.
- Collaborated with teams to deliver seamless designs using modern tools.

PROJECTS

PYTHON
- Eye Mouse: An accessibility tool that enables hands-free cursor control through eye movement tracking using Python and computer vision.
- Hand Controller: A gesture-based tool that translates hand movements into device commands using Python and motion detection, enhancing accessibility.
- Pathfinding Algorithm Visualizer: Developed an interactive Python-based tool to visualize pathfinding algorithms, including A*, BFS, and Dijkstra. Implemented a dynamic GUI using Pygame, featuring real-time animations and performance metrics (nodes explored, time taken). Enhanced understanding of algorithms and optimized visualization techniques. Helped by 2 batchmates.

MERN Stack
- Real Estate: Featuring interactive property listings and user management, while enhancing the experience with Blender for immersive visual presentations.
- Web Clone 3D: Incorporating interactive user interfaces and advanced features. Enhanced the project with 3D models.

UI/UX
- Best projects includes interactive planet exploration system with real-time data and dynamic interfaces, and a responsive restaurant landing page with parallax effects for enhanced user engagement.

SKILLS

- UI/UX
- Mern Stack
- Generative AI
- Ethical Hacking
- Site Reliability Engineering
- Python
- Figma
- DSA
- React
- Node.js
- OOPs

CERTIFICATIONS AND BADGES

- Google UI/UX Course , 2023
- Microsoft Career Essentials in Generative AI, 2024
- Ethical Hacking workshop (IIT Guwahati), 2023
- Google Cloud Site Reliability Engineering (Skill badge), 2024