Ayushi Mandal

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SUMMARY

Aspiring software engineer and UI/UX designer with experience developing user-centered solutions through projects like *Haemologix*, where I built intuitive designs, accessibility features, and a scalable design system. Skilled in Python, C/C++, Java, React.js, Next.js, Node.js, MongoDB, SQL, and machine learning, with strong problem-solving, collaboration, and communication abilities. Recognized as *Student of the Year* for academic excellence and leadership.

PROJECT

Haemologix
July 2025 - August 2025

Team Geeks • **haemologix.vercel.app/**

- Engineered intuitive UI/UX designs for Haemologix, elevating user satisfaction and driving higher platform adoption through user-centered research and iterative prototyping.
- Formulated comprehensive design guidelines for Haemologix, standardizing interface elements and ensuring a consistent, accessible experience across all user touchpoints.
- Instituted a scalable design system for Haemologix that streamlined collaboration between design and development teams, accelerated feature rollout, and maintained visual consistency throughout evolving product iterations.
- Revitalized the Haemologix platform by integrating advanced accessibility features, resulting in broader user inclusivity and a seamless experience for individuals with diverse needs.

CarbonIQ
November 2024 - December 2024

Team Geeks • **carbon-iq-draft.vercel.app/**

- Integrated advanced analytics and visualization components into the CarbonIQ platform using React.js, Next.js, and data science libraries such as NumPy and Pandas, facilitating user access to actionable insights for enhanced sustainability planning.
- Integrated automated data aggregation pipelines into the CarbonIQ platform, enhancing accuracy and timeliness of sustainability reporting while supporting organizations in meeting regulatory requirements.
- Engineered a carbon footprints tracker within the CarbonIQ platform, empowering organizations to monitor sustainability metrics in real time and facilitating actionable insights for environmental performance improvement.

EDUCATION

Bachelor of Technology
Sector 3, Bidhannagar, Kolkata, West Bengal
2028

University of Calcutta

Higher Secondary
Pratapgarh, Rajpur Sonarpur, West Bengal, India.
2024

B.D.M International • 3.7

- Awarded Student of the year.

SKILLS

Technical Skills :

Programming Languages: Python, C, C++, Java (Basic)

Machine Learning : Supervised & Unsupervised Learning, NLP, Reinforced Learning TensorFlow

Data Science Tools: NumPy, Pandas, Matplotlib, Seaborn, MySQL

Web Development: HTML, CSS - Basic, Bootstrap and Tailwind, JavaScript, React.js, Next.js, Express.js, Node.js, MongoDB, SQL, PostgreSQL.

UI/UX : Figma, Adobe XD, Canva

Soft Skills:

- Problem-solving, Teamwork & Collaboration, Project Management , Fast Learner, Communication Skills