

VisionAID-STATS

CS-6150 Computing for Good
Piyali Banerjee, Akshil Verma,
Delkhaz Ibrahim, Daniel Crawford

Meet the Team!



Piyali Banerjee
*DB Admin and
Deployment Lead*



Delkhaz Ibrahim
*Team Lead / Team
Assistance Developer*



Daniel Crawford
Data Lead



Akshil Verma
Frontend Lead

Out Partner: VisionAID

- Access to education for Visually Impaired learners
- India Based, with team in US
- 501©3 non-profit
- "...**Enable** over 20,000 underprivileged individuals ...We **Educate** them with holistic training programs ...we **Empower** them with counseling and guidance that increases their confidence and motivation to pursue their ambitions."



Project Goals

- Develop and Deploy **Vision-Aid STATS**
 - Platform that allows Vision-Aid staff to track courses *and* student enrollments.
 - Proper Permissioning
 - for Admins, Program Managers, and Volunteers
 - Mobile Friendly
 - Dashboard of metrics on class enrollment trends
- **Developer Documentation**
 - *setting up local dev env*, testing, and deployment of the platform.
- **User-facing Documentation,**
 - guide VisionAid staff on how to use the website to meet their needs.

Timeline

- Jan
 - (wo 1/29) Deploy application with Vercel
- Feb
 - (wo 2/5) Add team webpage as the "About Us" page in application
 - (wo 2/5) Enable google authentication of users
 - (wo 2/12) Add Courses page for viewing course offerings and batches
 - (wo 2/12) Add authorization to only allow admins to create/edit courses
 - (wo 2/19) Add authorization to only allow PMs and admins to create/edit batches for courses via the New Batch form that will be incorporated in the Courses page
 - (wo 2/26) Get feedback from Vision-Aid on courses page and above workflows
 - (wo 2/26) Get real data from partner organization
- March
 - (wo 3/5) Add students' page
 - (wo 3/12) Incorporate PM workflows related to students' page
 - (wo 3/19) Show student information by batch/Student grade portal
 - (wo 3/26) Partner touchpoint
- April
 - (wo 4/2) New User Registration/User Portal

Architecture

- App cloud-deployed with **Vercel**
- **DreamHost** MySQL DB: backend DB
- **GCP** Project to integrate **Google OAuth**
- **NextJS** application - private repo on **Github**
- **PWA** integration to make application **mobile-friendly**