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## Himanshu Balasamanta

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### Education

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- IIT BHU**  
BTech Electrical Engineering 2018-2022

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### Skills

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- Django
- React
- Deep Learning

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### Experience

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- Eclipse** May 2020 - August 2020  
Google Summer of code
  - Increased the flexibility and utility of the Widget library (SWT) used by the IDE to support paint features.
  - Advertised the changes made in the library by implementing them in Pie Charts in SWTChart repository.
  - Doubled the number of dependant repositories on SWTChart by introducing pie charts.
  - Handled requests of dependant Libraries.
  - Technologies used** :- Java, Jakarta, SWT, Maven.

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### Projects

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- Prastuti (Department fest Web App)**
  - Took Initiative of the Web App work that was postponed for 3 months and completed it in less than 3 weeks.
  - Lead the team of 4 Backend Developers, and primarily designed the backend of the app.
  - Project hosted on heroku.
  - Used simple Django Templates in frontend, let the juniors design the pages.
  - Team formation was implemented through request sending.
  - Completed all in 0 cost.
- Exam Seat Allocation**
  - Examiners can set up examinations, students can register for them.
  - Examiners can choose centres before or after student registers.
  - Centre allocation objective is minimisation of squared distances and is done using K-means Algorithm (An Unsupervised Learning algorithm)
  - In Process:
  - Frontend, using stats and creating an MVP
- Great Indian Subway**
  - A complete app for handling a restaurant, along with a recommendation and advertisement system.
  - Allocations of counters after billing and Token generation.
  - Keep record of purchases and time of purchase, predicts the demand in advance to manage resources.
  - Technologies used: Django