

HIMANSHU BHUSHAN BALASAMANTA

ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Electrical Engineering IIT (BHU), Varanasi	8.39	2022
Goa Board Of Sec. & H.Sec. Edu (XII)	MUSHTIFUND ARYAAN HIGHER SECONDARY	86.83	2018
Goa Board Of Sec. & H.Sec. Edu (X)	BHATIKAR MODEL HIGH SCHOOL	91.00	2016

SKILLS

Languages

- C, C++, Java, Python

Intrests

- Algorithmic Programming, Data Structures, Web Development

Technologies

- React, Django, Open CV, Agile, Git, Eclipse, VS Code

PROJECTS

Google Summer Of Code

June 2020 - PRESENT

Spending this summer Contributing code to the most widely used Java IDE

- Single-Handedly migrated a Desktop Application repository from Linux Tools to Eclipse Science Project.
- **Designed** Pie and Doughnut Charts using DFS and a variant of **Graph Colouring Algorithm** under EAVP (Eclipse Advanced Visualisation Project).
- Fixed a 2 year old bug caused due to error in bit manipulation of the state mask of a widget.
- [Description](#) and [Github Link](#) of my work.

PIXELATE

JAN 2019

Used Image Processing to guide the bot in shortest time to the target.

- Open CV to capture bot position and direction at regular intervals.
- BFS Algorithm to find shortest path to target.
- Arduino programming required for bot navigation was provided through interface in Python.

HONOURS AND ACHIEVEMENTS

NTSE Scholarship

MAY 2016

- Among the top 775 across the country who were awarded the scholarship.

JEE

2018

- Achieved an AIR of 2503 in JEE advanced.
- Achieved an AIR of 5851 in JEE mains.

EXTRA-CURRICULAR ACTIVITIES

Organised YES!+ course of Art of Living

3rd SEPT 2019- 7th OCT 2019

- A total of 7 volunteers were involved in the organisation and maintenance of the programme.
- Collected funds were sent to the Art Of Living Centre.

Member of COPS (Institue Programming club)

APRIL 2020 - PRESENT

Actively involved in passing of programming knowledge to students

- Organised the annual online summer workshop of the club (CSOC) for this year.
- **Mentored** juniors new to programming and development, by guiding them, clearing their doubts and fixing bugs.

Member of Kashi Utkarsh

- Supplementing the studies of children of nearby bastis.

T: 9326993986 **E:** himanshubalasamanta@gmail.com **Address:** Plot No 437 C, Sector-6, near Rotary Eye Hospital, CDA, Cuttack- 753014, Odisha