

HIMANSHU BHUSHAN BALASAMANTA

ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Electrical Engineering IIT (BHU), Varanasi	8.17	2022
GBSHSE (XII)	MUSHTIFUND ARYAAN HIGHER SECONDARY	86.83	2018
GBSHSE (X)	BHATIKAR MODEL HIGH SCHOOL	91.00	2016

SKILLS

Languages | C, C++, Java, Haskell, Purescript, SQL.

Areas Of Interest | Data Structures and Algorithms, Operating Systems, Computer Networks

INTERNSHIP/TRAINING

Software Engineering Intern @Juspay

May 2021 - June 2021

Collaborated with Full time developers in the Refunds Team to develop the next Refunds Version

- Enabled changes to be made on the fly by shifting the action-on-failure decision from code-based to DB-configuration, thus reducing reaction time drastically.
- Debugged** and Reduced the weekly Manual Review cases in refunds by 17% by going through the production logs and **troubleshooting** issues in code.
- Exposure:** REST APIs, PureScript, Redis, MySQL, Postgresql.

Google Summer Of Code 2020 @Eclipse Foundation

May 2020 - August 2020

Open Source Contributions to internal Widget Library to support non-IDE features

- Re-structured the primary Canvas Widget of Java Widget Library, enabling widgets to be more flexible, which increased the non-IDE functionalities. [Sample Examples](#)
- Designed Multi-Level Pie Charts, structured as Tree, with colours of nodes decided on run-time with Graph Colouring Algorithm to minimise repetition of colours. All chart Variations. [1](#) [2](#) [3](#).
- Handled custom requests on the Pie Charts from dependent library developers [Sample Request](#).

PROJECTS

Electrical Department Fest WebApp

Feb 2021

Lead Backend developer of the Web App that saw 450+ participant teams from all over India

- Primarily Designed the backend of the Django Web App.
- Team formation through requests, email verification for user registration, admin page for extracting data and sending workshop mails were implemented.
- <https://www.electricalfest.in/>

HONOURS AND ACHIEVEMENTS

Competitive Programming

- Global Rank 3 in Codechef Elevate (Competitive Programming and Computer Science based quiz)
- Expert Level Programmer On Codeforces.

EXTRA-CURRICULAR ACTIVITIES

Others

- Portfolio Website** : <https://www.himanshubalasamanta.tech/>
- LinkedIn Profile <https://www.linkedin.com/in/himanshu-balasamanta>

Core team member of COPS (Institute Programming club)

APRIL 2020 - PRESENT

Mentored juniors and organised programming workshops in the Institute

- Organised 5+ development workshops in the Institute on topics like Django, Git and Open Source.
- Mentored 300+ juniors preparing for open source internships like GSoC and Outreachy.

Volunteer | Youth Empowerment & Soft Skills Workshop of Art Of Living

- Enrolled 140+ freshers for the paid program each year for past 2 years by conducting orientation sessions to over 1000+ students.
- Stress releasing techniques like the Sudarshan Kriya were taught to the participants.

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