HIMANSHU BHUSHAN BALASAMANTA

ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Electrical Engineering IIT (BHU), Varanasi	8.06	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.
- **Exposure:** Java, GNOME, GTK+, Cocoa, Cario, Win32, SWT

PROJECTS

Electrical Department Fest WebApp   Feb 2021

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

- Designed the entire backend of the Django Web App.
- Implemented Request based Team formation, Admin page, User dashboard, SMTP for workshop mails.
- https://www.electricalfest.in/

HONOURS AND ACHIEVEMENTS

Competitive Programming

- Ranked 1530 in **Facebook Hacker Cup 2021** among 34,000 international participants.
- Global Rank 3 in Codechef Elevate (Competitive Programming and Computer Science based quiz)
- Rated 5 star (current rating - 2006) on Codechef platform (handle: balasamanta)
- Expert Level Programmer On Codeforces.

NTSE Scholarship

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

EXTRA-CURRICULAR ACTIVITIES

Core team member of COPS (Institue 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.

Others

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

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