

Anubhaw Bhalotia

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Education

- **Indian Institute of Information Technology, Una** 📍 Hamirpur, H.P., India
Bachelor of Technology in Computer Science and Engineering, CGPI – 9.42/10 (Gold Medal Winner/Rank 1) Aug. 2016 – Jun. 2020

Skills

- **Programming Languages:** C++, C, Python
- **Tools/Frameworks:** Linux, OpenGL, OpenCV, Django framework, MySQL, PostgreSQL, Android Development

Experience

- **Amazon Development Centre** 📍 Berlin, Germany
SDE Intern 2019
Got selected for internship at Amazon Development Centre Berlin, but could not join due to passport/visa issue.
- **Wich Please – Hunger Labs India Pvt. Ltd** 📍 Hyderabad, India
Software Developer Intern May. 2019 – Jul. 2019
Mentored by the CEO of the company Pravin Gadodia (MBA ISB and B. Tech IIIT – Hyd.) and Siddarth Jain (B. Tech IIIT – Hyd.)
 - Delivery System Optimisation and Inventory Management System
- **Cricket Plus Plus** 📍 New York/Remote
Software Developer Intern (Backend) Oct. 2018 – Dec. 2018
 - Designing API's for the Web application of Cricket Plus Plus. (Django, PostgreSQL, Python)
- **Mettl – Induslynk Training Services** 📍 Gurugram, India
Intern Jun. 2017 – Jul. 2017
 - Programming Problem Setting
Responsible for setting high quality algorithmic problems, capable of testing students for recruitment in companies that'll shape the future of software industry.

Projects

- **Slate:** A new interface, which takes input by waving a 'red LED light' in front of webcam. Slate also recognizes human handwriting written on it. Includes a calculator, sketch-board (with eraser), gesture control, ASCII-art. It's literally like writing on air. (C++, OpenCV)
Winning project of Hack on Hills 3.0, 2018. [Video Link](#)
- **Virtual-Mouse:** An extension of Slate project and a replacement for traditional mouse. Takes input by waving a 'red LED light' in front of webcam. Features include high precision mouse movement detection, single click, double click, scroll, drag and drop. All the inputs are to be fed using a single push button on the LED light. (C++, OpenCV)
- **PacManGL:** Famous Arcade game built from scratch. (C++, OpenGL)
Winning project of Hack 2.0, 2018. [Video Link](#)
- **Mandala-Slate:** Slate interface which allows drawing of complex Mandala Art by waving a 'red LED light' in front of webcam. Mandalas have one centre point from which emanates an array of symbol, shapes, and forms. The drawing reflects itself in different divisions of a cartesian-coordinate plane which creates the effect of Mandala Art. (C++, OpenCV)
- **SnakeGL:** Famous snake game built from scratch. Sprite manoeuvre based on keyboard. (C++, OpenGL)
- **Bingo Bot:** A CPU bot that plays against the player. Bot scans the entire board and predicts its next move. (C)
- **Tic Tac Toe:** Famous pen and paper game. Used ASCII characters for graphics. Also includes a bot. (C)

Accomplishments

- Codeforces.com – max. **expert, 1851** Jun. 2020
- Codechef.com – Highest Rating **5★ 2006 (Five Star)**. Aug. 2018
- Won **Gold Medal** for securing **Highest CGPI (9.42/10)** among all college students. May. 2020
- Global rank **353** out of **11475** participants, in Codeforces Round #643 (Div. 2) May 2020
- Global rank **410** out of **15390** participants, in Codeforces Round #637 (Div. 2) Apr. 2020
- Global rank **534** in Google Kickstart Round G 2019. Oct. 2019
- Global rank **194** out of **9919** participants in Oct. Long Challenge 2017 on Codechef. Oct. 2017
- Global rank **190** out of **5149** participants in Jul. Long Challenge (Div1) 2018 on Codechef. Jul. 2018
- Ranked **3rd** in Hack on Hills 3.0, out of **300** students from different colleges, conducted by Hackerearth. Mar. 2018

- Ranked **3rd** out of **130** participants in Hack 2.0 conducted at National Institute of Technology, Hamirpur. *Feb. 2018*
- **3rd** Rank twice in Coding Competition '*#Heuristics*' conducted on www.hackerearth.com.

Courses

- Analysis and Design of Algorithms, Data Structures, Neural Networks and Fuzzy Logic, Operating System, Data Base Management Systems

Co-curriculars

- Lead Organizer at Hack on Hills (Second largest Hackathon of North India hosted at NIT Hamirpur)
- Volunteer at GLUG (Linux users' group) NIT-H. *Mar. 2017 – May. 2020*
- Convener at App Team, NIT-H. *Mar. 2017 – May. 2020*
- Convener at Computer Science Engineers Community, NIT-H. *Feb. 2017 – May. 2020*