

Baibhav Vatsa

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Education

Vanderbilt University | BS in Computer Science

May 2022

- **GPA:** 3.43/4.00
- **Selected Courses:** Data Structures, Intro to Video Production & Greek Myths

Delhi Public School, R.K. Puram | All India Senior School Certificate Examination **May 2018**

- **Final GPA:** 96.8/100
- **Selected Experience:** PhySoc President, Resonance (Annual PhySoc magazine) Coordinator, Maths and Science Symposium Coordinator, Conrad Innovation Challenge Semi-Finalists for Icarus, NASA Ames Space Settlement Design Contest Third Prize for Initium Novum, Runners Up in Asian Regional Space Settlement Design Competition and Team Vice President for Aelonah, Haiku published in The Bubbling Cauldron, and G. Bhaskar Memorial Awardee

Technical Skills

- C++, Python, Java, C, ROS, Go, JavaScript, React, HTML, CSS, Bash, Rust, Machine Learning, TensorFlow, MySQL, and Reverse Engineering
- Comfortable working with Parcel, Git, GitHub, Linux, Windows, Adobe Illustrator, Adobe Premiere Pro, Microsoft Word, Microsoft Excel, Microsoft PowerPoint
- **Languages:** English, Hindi, Bhojpuri, Sanskrit, Japanese

Selected Experience and Projects

Advanced Robotics and Mechanism Applications Lab | Intern **January 2019 - May 2019**

- Programming intern for writing platform independent GUI using C++ and Qt for the haptics devices in the lab under Dr. Nabil Simaan

Vanderbilt Robotics | Member

August 2018 - Present

- Part of the Programming subteam for the Rover Mining Challenge 2019
- Focused on Obstacle Detection and Path Planning

Local Hack Day by GitHub | Winner

December 2018

- Vanderbilt University - Winner
- Used Microsoft Azure's Face API to write a face counting attendance system

Vanderbilt FOSS | Member

November 2018 - Present

- Open source contributions

Dotfiles

February 2019

- Created a configuration dotfiles repo with a setup script in Bash

Vanderbilt Television | Member

August 2018 - Present

- Member of Vandy Spoofed, Slant TV, and Almost Legitimate

Vanderbilt Off-Broadway | Member

October 2018 - Present

- Crew for 2019 Main Production Pippin

VSkillz | Intern

October 2016 - December 2016

- A joint venture between the Government of India the Government of Delhi
- Created C++ Questionnaire for the Skill India C++ skill-certification program

JEEViKA | Intern

June 2017

- Government of Bihar's initiative under the State Rural Livelihoods Mission
- Completed a study on women empowerment through community-based institutions

JPEG Recovery

November 2016

- Wrote code to recover JPEGs from a forensic image for CS50x problem set

EduRevamp | Co-founder

September 2016 - August 2018

- Startup to help high school students find educational opportunities
- Made all technical decisions and implemented them