Baibhav Vatsa

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Education

Vanderbilt University | BS in Computer Science   *May 2022*
- **GPA:** 3.43/4,00
- **Selected Courses:** Mobile and Wireless Networks, Intermediate Software Design, Data Structures and Algorithms & Intro to Video Production

Delhi Public School, R.K. Puram | All India Senior School Certificate Examination *May 2018*
- **Final Grade:** 96.8/100
- **Selected Experience:** PhySoc President, Maths and Science Symposium Coordinator, 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, and G. Bhaskar Memorial Awardee

Technical Skills

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

Selected Experience and Projects

Innovation Garage | Fellow   *September 2019 - Present*
- Developing PWA to help educators promote high quality teaching practices
- NSF funded education research project

GradeSense | Developer   *June 2019 - August 2019*
- Created an app for helping with managing and recording grades using Dart and Flutter

Vanderbilt FOSS | Mentor   *November 2018 - Present*
- Open source contributions to microsoft/vscode and baibhavatsa/minesweeper
- Responsible for helping others with open source software and contributions

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 and Lunabotics 2020
- Focused on Obstacle Detection, Path Planning, and Mission Control UI for 2019

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 Television | Member   *August 2018 - Present*
- Member of Vandy Spoofed, Slant TV, and Almost Legitimate

Vanderbilt Off-Broadway | Member   *November 2018 - Present*
- Crew for 2019 Main Production Pippin

VSkills | Intern   *October 2016 - November 2016*
- A joint venture between the Government of India and the Government of Delhi
- Created C++ Questionnaire for the Skill India C++ skill-certification program

JEEViKA | Intern   *May 2017 - June 2017*
- Government of Bihar's initiative under the State Rural Livelihoods Mission
- Completed a study on women empowerment through community-based institutions