

Vaibhav Sen Malla

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Education and Skills

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| The Pennsylvania State University | University Park, PA |
| Bachelor of Science: Information Sciences and Technology (Software Design & Development focus) | Graduated: Dec 2020 |
| Major GPA: 3.67, Cumulative GPA: 3.32 | |
| Dean's List for College of IST (Spring 2018, Fall 2019, Spring 2020), Gamma Tau Phi Honors Society | |
| Programming Languages: Java, C++, Python, JavaScript, HTML, CSS, SQL | |
| Frameworks/Technologies: Adobe XD, InVision, Figma, Bootstrap, MongoDB, Node.js, Express.js, React, Scrum, Visio, Netbeans | |

Professional Experience

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| Web Developer , (Virufy) <i>Volunteer-run project building a global AI database of crowdsourced coughs to identify Covid-19</i> | Remote Sept 2020 - Oct 2020 |
| <ul style="list-style-type: none">Built and managed company website and ensured it met quality standardsCollaborated with product designers and UI/UX team to implement UI changes | |
| Cofounder/Software Engineer , (Gage Ventures) <i>Startup co-founded with 4 other members mentored at Happy Valley LaunchBox program</i> | University Park, PA Feb 2020 - July 2020 |
| <ul style="list-style-type: none">Founded a startup focused on EdTech solutions such as a behaviour tracking tool for ADHDLed technical side: planned out software architecture, designed wireframes, and led development of minimum viable product using React.jsReceived \$15,000 in funding from the Summer Founders program (top 6 teams out of 46) | |
| Team Tech. Lead , (Nittany AI Challenge) <i>Annual competition for developing products utilizing AI to solve global issues</i> | University Park, PA Jan 2020 - June 2020 |
| <ul style="list-style-type: none">Entered 2 projects into the competition, both won first phase (ADHD Screening Game and Team Builder)Developed prototype of ADHD Screening GameTop 20 out of 67 teams, won \$1000 in rewards | |
| Undergraduate Research Intern , (The Pennsylvania State University) <i>Penn State's College of Information Sciences and Technology</i> | University Park, PA May 2019 - May 2020 |
| <ul style="list-style-type: none">Aided research in the Human-Computer Interaction programPrototyped 2 graphical user-interfaces using Adobe XD to be proposed as part of a research projectConducted 6 user experience/usability studies for the "Third-Eye" project, aiming to develop/modify the way visually impaired/blind individuals navigate and perform their daily activities | |

Projects

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| Portfolio Website - (vxm52.github.io) <ul style="list-style-type: none">Built from scratch with HTML, CSS, JavaScript, and jQuery. Showcasing my front-end skills. | Aug 2020 - Oct 2020 |
| Rent-a-Skateboard <ul style="list-style-type: none">Full-stack development of a skateboard sharing service. Built RESTful API using Express.js | Apr 2020 - May 2020 |
| Munchies - Personal Recipe App <ul style="list-style-type: none">Developed recipe web app with HTML, JavaScript, CSS, and APIs to retrieve ingredient data | Mar 2020 - Apr 2020 |
| Search & Rescue Navigation App <ul style="list-style-type: none">Developed using JavaFX and MVC architecture to help first responders locate victims in disaster events | Sept 2019 - Dec 2019 |
| Carnival Video Game <ul style="list-style-type: none">Constructed a game in Java utilizing concepts like timed mechanics, persistent data storage, etc. | Sept 2018 - Dec 2018 |

Volunteer/Other Experience

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| Crew Leader/Culinary Assistant , <i>Penn State Pollock Dining Commons (Part-time job during university)</i> <ul style="list-style-type: none">Led and supported teams of approx. 10 coworkers to function efficiently in fast-paced work environmentsTrained and mentored new student-employees on procedures to meet quality standards of service | University Park, PA Oct 2018 - Present |
| Volunteer Assistant Teacher , <i>Pimlico Elementary/Middle School</i> <ul style="list-style-type: none">Week-long alternative break service trip teaching math and English to first-graders | Baltimore, MD Mar 2020 |
| Relief Volunteer , <i>Child Workers in Nepal (CWIN)</i> <ul style="list-style-type: none">Packaged supplies, and food; sending out approx. 100 crates daily to victims of the Nepal earthquakes | Kathmandu, Nepal Jun 2015 - Jul 2015 |