

Vaibhav Sen Malla

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Education and Skills

The Pennsylvania State University	University Park, PA
Bachelor of Science: Information Sciences and Technology (Software Design & Development focus)	Expected: 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, Bootstrap, MongoDB, Node.js, Express.js, React, Scrum, Visio, Netbeans	

Professional Experience

Web Developer, (Virufy) <i>Volunteer-run project building a global AI database of crowdsourced coughs to identify Covid-19</i> <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	Remote Sept 2020 - Oct 2020
Cofounder - Gage Ventures <i>Startup co-founded with 4 other members mentored at Happy Valley LaunchBox program</i> <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 MVP developmentReceived \$15,000 in funding from the Summer Founders program (top 6 teams out of 46)	University Park, PA Feb 2020 - July 2020
Team Tech. Lead - Nittany AI Challenge <i>Annual competition for developing products utilizing AI to solve global issues</i> <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	University Park, PA Jan 2020 - June 2020
Undergraduate Research Intern, (The Pennsylvania State University) <i>Penn State's College of Information Sciences and Technology</i> <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	University Park, PA May 2019 - May 2020

Projects

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

Crew Leader/Culinary Assistant, Penn State Pollock Dining Commons (Part-time job during university) <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, Pimlico Elementary/Middle School <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, Child Workers in Nepal (CWIN) <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