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)	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: JavaScript, HTML, CSS, Java, C++, Python, SQL
Frameworks/Technologies: Adobe XD, InVision, Figma, Bootstrap, MongoDB, Node.js, Express.js, React, Scrum, Visio, Netbeans

Professional Experience

Web Developer, (Virufy) — Remote
Volunteer-run project building a global AI database of crowdsourced coughs to identify Covid-19 — Sept 2020 - Oct 2020
- Built and managed company website and ensured it met quality standards
- Collaborated with product designers and UI/UX team to implement UI changes

Cofounder/Software Engineer, (Gage Ventures) — University Park, PA
Startup co-founded with 4 other members mentored at Happy Valley LaunchBox program — Feb 2020 - July 2020
- Founded a startup focused on EdTech solutions such as a behaviour tracking tool for ADHD
- Led technical side: planned out software architecture, designed wireframes, and led development of minimum viable product using React.js
- Received $15,000 in funding from the Summer Founders program (top 6 teams out of 46)

Team Tech. Lead, (Nittany AI Challenge) — University Park, PA
Annual competition for developing products utilizing AI to solve global issues — Jan 2020 - June 2020
- Entered 2 projects into the competition, both won first phase (ADHD Screening Game and Team Builder)
- Developed prototype of ADHD Screening Game
- Top 20 out of 67 teams, won $1000 in rewards

Undergraduate Research Intern, (The Pennsylvania State University) — University Park, PA
Penn State's College of Information Sciences and Technology — May 2019 - May 2020
- Aided research in the Human-Computer Interaction program
- Prototyped 2 graphical user-interfaces using Adobe XD to be proposed as part of a research project
- Conducted 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

Portfolio Website - (vxm52.github.io) — Aug 2020 - Jan 2021
- Built from scratch with HTML, CSS, JavaScript, and jQuery. Showcasing my front-end skills.

Keeper Notes App — Feb 2021 - Mar 2021
- Personal to-do list app built with React.js (frontend) and Node.js, Express.js, and MongoDB for backend

Rent-a-Skateboard — Apr 2020 - May 2020
- Full-stack development of a skateboard sharing service. Built RESTful API using Express.js

Munchies - Recipe App — Mar 2020 - Apr 2020
- Developed recipe web app with HTML, JavaScript, CSS, and APIs to retrieve ingredient data

Search & Rescue Navigation App — Sept 2019 - Dec 2019
- Developed using JavaFX and MVC architecture to help first responders locate victims in disaster events

Volunteer/Other Experience

Crew Leader/Culinary Assistant, *Penn State Pollock Dining Commons* (*Part-time job during university)* — University Park, PA
Oct 2018 - Present
- Led and supported teams of approx. 10 coworkers to function efficiently in fast-paced work environments
- Trained and mentored new student-employees on procedures to meet quality standards of service

Volunteer Assistant Teacher, *Pimlico Elementary/Middle School* — Baltimore, MD — Mar 2020
- Week-long alternative break service trip teaching math and English to first-graders

Relief Volunteer, *Child Workers in Nepal (CWIN)* — Kathmandu, Nepal — Jun 2015 - Jul 2015
- Packaged supplies, and food; sending out approx. 100 crates daily to victims of the Nepal earthquakes