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: 3.60, Cumulative GPA: 3.26

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.js, Scrum, Visio, Netbeans

Professional Experience

Cofounder - 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 the technical side: planned out software architecture, designed wireframes, and led MVP development
- Received $15,000 in funding from the Summer Founders program (top 6 teams out of 46)

Team Tech. Lead - Nittany AI Challenge (The Pennsylvania State University) — 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 app)
- 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 field of **Human-Computer Interaction**
- Prototyped 2 graphical user-interfaces to be proposed as part of 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

Crew Leader (Penn State Pollock Dining Commons) — University Park, PA
Part-time catering services for Penn State students and faculty members — 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
- Coordinated with team to effectively serve 1900 customers per meal service

Projects

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

Munchies - Personal Recipe App - *(Team work)* — Mar 2020 - Apr 2020
- Developed recipe web app with HTML, JavaScript, CSS, and APIs to retrieve ingredient data

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

Carnival Video Game — Sept 2018 - Dec 2018
- Constructed a game in Java utilizing concepts like timed mechanics, persistent data storage, etc.

Volunteer Experience

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

Event Organization Volunteer — University Park, PA
- Ushered fans and helped organize seating areas at Penn State's football games — Oct 2018 - Mar 2020

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

Self-Help Group for Cerebral Palsy Nepal (SGCP) — Lalitpur, Nepal
- Assisted senior members of the organization teach children diagnosed with cerebral paralysis — Jun 2015 - Jul 2015
- Helped develop their motor skills, alphabets, and basic math