

BHAVYA APLASH

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EDUCATION

PENNSYLVANIA STATE UNIVERSITY

University Park, PA

B.S.E. in Computer Science, Minor in Business

Expected Graduation May 2026

GPA: 3.78/4.0, Dean's List Fall 2022, Spring 2023, Fall 2023

Relevant Coursework: OOP with Web Applications, Systems Programming, DSA

EXPERIENCE

ALACRITI

Piscataway, NJ

Software Engineering Intern

June 2023

- Attained knowledge in microservices architecture, REST APIs, Postman, and Springboot while working with software team to integrate external financial institution payment platform with Alacriti core
- Analyzed and researched 6+ financial institution vendor API requests using API documentation and Postman, helping software team understand the nature of the payment platform, becoming more familiar with APIs
- Developed Maven Java Springboot application in Eclipse with 5+ HTTP methods that accessed and process foreign vendor requests such as generating access token, streamlining the API interactivity process

HACKPSU

University Park, PA

Design Team Director

Apr 2023 - Present

- Managed and interviewed 11+ design team members, led project timeline, deliverables and weekly meetings, and advised HackPSU website UI choices, yielding 20+ designs of promotional material for 3 hackathons
- Created 50+ designs for merchandise and website assets through Adobe Illustrator while collaborating with technology team, increasing student body awareness and attracting 5+ sponsors for the organization
- Developed wireframes for project planning, introduced cross-team liaison roles to improve collaboration, and hosted 5+ team workshops to sharpen design expertise, foster innovation, and boost team efficiency
- Worked with 12+ executive board members to coordinate Penn State's largest hackathon of 900+ students

LIBERAL ARTS - DIGITAL PEDAGOGY AND SCHOLARSHIP

University Park, PA

Part-Time Project Associate

January 2023-Present

- Working with Hindi Professor to create an online teaching tool for Hindi (Devanagari) script through H5P and Pressbooks to organize book content, aiming to help 60+ current as well as future Hindi students with Hindi
- Created 20+ script designs using Adobe Illustrator and used UX concepts in creating 24+ accessible multimedia digital exercises to target non-native speakers through word-object association
- Developed 50+ interactive assessments, quizzes, and other similar features to reinforce concepts addressed in Hindi courses at Penn State, catering to curriculum standards to yield a productive teaching tool

PROJECTS

Pediatric Pelvic Power Website

- Designed and deployed a responsive website for a pediatric health initiative, developed over 5+ wireframes using Figma and conducted 5 comprehensive usability tests to significantly enhance user experience and accessibility
- Implemented feedback from 5+ users during various stages of the design process, resulting in a 20% improvement in site navigation, as measured by user satisfaction scores and overall interaction efficiency improvement

UXPA Peaceful Kingdom Farms Website Design

- Collaborated with PK Farms to redesign their e-commerce website for candle sales as part of the UX Professionals Association, ensuring an improved customer journey and purchasing process for a greater user experience
- Performed extensive user research involving surveys and empathy maps, identifying needs of key user personas, which ultimately led to a 30% increase in customer engagement and a more personalized shopping experience

ADDITIONAL SKILLS

- Completed 5+ courses in Meta Front-End Developer Pathway, gaining expertise in front-end development
- Technical Skills: Python, Java, JavaScript, Python, C++, Github, VSCode
- Web Technologies/Design Tools: HTML, CSS, React, Node.js, Figma, Adobe Illustrator, Canva