

NISHA PANT

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EDUCATION

University of Illinois at Urbana Champaign	Expected May 2022
<i>B.S. Computer Science</i>	GPA: 3.68/4.0
<ul style="list-style-type: none">• <u>Relevant Coursework</u>: Algorithms and Models of Computation, Data Structures, Discrete Structures, Probability & Statistics in CS, Artificial Intelligence, Computer Architecture, Applied Linear Algebra• <u>Involvement</u>: HackIllinois Staff, Reflections Projections Staff, Women in Computer Science	

EXPERIENCE

University of Illinois at Urbana Champaign – Undergraduate Researcher	Jun '20 – Present
<ul style="list-style-type: none">• Researching bluetooth technology under Professor Hari Sundaram to be utilized for COVID-19 contact tracing• Developing an iOS contact tracing application in Swift to be adopted by over 40,000 UIUC students• Designing a machine learning model to calculate the distance between two devices using bluetooth with a much higher accuracy than using Received Signal Strength Indicator (RSSI)	
FanScript – Full-Stack Intern	May '20 – Present
<ul style="list-style-type: none">• Building a full-stack, fully-responsive web application with a React frontend and a SpringBoot backend that dynamically simulates sport and concert venues with activities for fan engagement• Applying RESTful API designs when making HTTP requests to receive data for the simulator	
Vimeo – Software Engineering Intern	May '20 – Aug '20
<ul style="list-style-type: none">• Cancelled due to COVID-19	
University of Illinois at Urbana Champaign – PURE Undergraduate Researcher	Oct '19 – Dec '19
<ul style="list-style-type: none">• Collaborated to build a machine learning model to separate audio files with multiple sound sources• Analyzed audio files using machine learning models built in Python (Pandas and SKLearn) that distinguish between multiple sound sources in one audio file	
Vimeo – Software Engineering Intern	Jun '19 – Aug '19
<ul style="list-style-type: none">• Improved user upload and video experiences within the Apple Mobile Workflow team• Integrated a Siri shortcut feature (currently in production to over 90 million active users) into the iOS Vimeo application that allows users to instantly upload videos to Vimeo• Created product design specification for a Vimeo Creator Chrome extension	
Northwestern University – Research Intern	Jul '18 – May '19
<ul style="list-style-type: none">• Conducted research on secure querying for federated databases with Professor Jennie Rogers to be used by hospitals for searching private patient datasets• Improved Java applications to make searching within federated datasets more efficient	

PROJECTS

Suasana	May '20 – Present
Working on a team of three to build an eco-friendly habit-tracking application in iOS. The app incorporates a chatbot built with Dialogflow that helps users track sustainable habits and learn more about reducing the user's carbon footprint.	
International Diamond Company Website	Apr '20 – Present
Creating a full-stack e-commerce website for a local jewelry store where consumers will be able to browse and purchase inventory. The website is fully-responsive and was built using React, GraphQL, MongoDB, and the Stripe API.	

SKILLS & AFFILIATIONS

- **Technologies**: Java, C++, React, Swift, Python, Django, GraphQL, Git, Bash, JavaScript, HTML/CSS
- **Women in Tech**: Girls Who Code Alumna, SEEDS Alumna, Rewriting the Code Fellow