

Prachotan Reddy Bathi

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EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA

JANUARY 2023 – PRESENT

MS IN COMPUTER SCIENCE, 4.0/4.0

MANIPAL INSTITUTE OF TECHNOLOGY

JULY 2018–JULY 2022

MANIPAL, INDIA

BACHELOR DEGREE IN COMPUTER SCIENCE AND ENGINEERING, 9.25/10.00

EXPERIENCE

SITE MIGRATION STUDENT WORKER

FEBRUARY 2023 – PRESENT

ROSSIER SCHOOL OF EDUCATION | LOS ANGELES, CA

Spearhead management and enhancement of web presence for key research labs at Rossier School of Education focusing on Equity in Education.

PROGRAM ASSOCIATE

JULY 2022–DECEMBER 2022

WELLS FARGO | HYDERABAD, IN

Worked with the Capital Markets Risk Technology team (Project Vasara), built scalable market risk tools to cater front office real time risk metrics.

INTERN ANALYST

JANUARY 2022–JULY 2022

WELLS FARGO | BENGALURU, IN

Worked with the Capital Markets Technology team (Resolution and Recovery Planning), understanding and developing robust solutions for real-world problems.

EXTERNAL SERVICE PROVIDER

OCTOBER 2021–JANUARY 2022

UNIVERSITY OF MANITOBA | WINNIPEG, CANADA

Worked with the CAre Lab to analyze acquired feedback from the usability testing phase and re-amplify the application to achieve a minimum marketable product.

MITACS GLOBALINK RESEARCH INTERN

MAY 2021–AUGUST 2021

UNIVERSITY OF MANITOBA | WINNIPEG, CANADA

Conducted usability tests, app adjustments for the "In Your Shoes"(React build) project with Dr. Michelle Lobchuk. Manuscripts prepared for journal publication.

DIGITAL INNOVATION INTERN

JULY 2020–SEPTEMBER 2020

HYDERABAD WATER WORKS | HYDERABAD, INDIA

SECURITY AND PRIVACY PROGRAM INTERN

MAY 2019–JULY 2019

TELANGANA STATE TECHNOLOGY SERVICES | HYDERABAD, INDIA

SELF-VENTURES

- **Founder** and **principal instructor** linePine Tech (linepine.prachotanbathi.com). Organized Hour of Code events to help kids understand computer intervention. Involved **course planning** and **syllabus design**.
- Acting under the name PurSeek Tech helped 15 small and emerging businesses with their digital presence, designing simple yet informative websites at a modest price.

HONORS & AWARDS

- **MERIT SCHOLARSHIP**, MANIPAL ACADEMY OF HIGHER EDUCATION JULY 2018–JULY 2022
- **GLOBALINK RESEARCH INTERN AWARD**, MITACS, CANADA MAY 2021–AUGUST 2021
- **BEST PRESENTATION** AT DELL MYPCMYSTORY, DELL INC. DECEMBER 2019

SKILLS

RESEARCH

USABILITY AND USER TESTING
INTERVIEWS
SURVEY DESIGN
FOCUS GROUPS
HEURISTIC EVALUATION
LITERATURE REVIEW

DESIGN & DEVELOPMENT

FRAMER
FIGMA
GIMP
FLUTTER
REACT/ ANGULAR
DJANGO

LANGUAGES

PYTHON R
C/C++ SQL
JAVA BASH

NATURAL LANGUAGES

ENGLISH HINDI
TELUGU FRENCH

RESEARCH PROJECTS

PROJECT SOCIOMIZER

JAN 2022-JUNE 2022

With Dr. Deepa G at Manipal Institute of Technology, Manipal, India

Project Sociomizer is a user-centered tool aiming to address the anonymity concerns of users posting health care information on social media.

Conducted a pilot study through a survey (n=200) to understand health data privacy concerns and perceptions.

Designed the system context diagram and the flow chart for the project after a systematic literature review of existing anonymization and encryption techniques.

CYBER-PHYSICAL ROBUSTNESS ASSESSMENT

AUGUST 2021-NOVEMBER 2021

Collaboration with Dr. Yu Liang, University of Tennessee at Chattanooga

Assessed cyber-physical security and robustness of civil infrastructure.

Identified points of compromise in urban stormwater management involving real-time control based on literature review and components of planning project.

PUBLICATIONS

1. **Bathi, P.R.**, Deepa, G. (2022). Health Data, Social Media and Privacy Awareness: a pilot study. Springer 3rd International Conference on Innovations in Computational Intelligence and Computer Vision. (Submitted, Under Publication)
2. **Bathi, P.R.**, Ellis, R., Liang, Y., & Reddy, J.B. (2022). Cyber-Physical Robustness Assessment of Stormwater Controls with Real-Time Mechanism for Smart and Sustainable Urban Water Resources Management. In 2022 World Environmental & Water Resources Congress, Atlanta. ASCE (peer-reviewed, accepted)
DOI:[10.1061/9780784484258.072](https://doi.org/10.1061/9780784484258.072)
3. Lobchuk, M., Friesen, M., Hoplock, L., Harder, **Bathi, P.R.** (2023). Usability testing of a Web-Based Empathy Training Portal: A Mixed Methods Study. Published in the Journal of Medical Internet Research (JMIR) Formative Research. DOI:[10.2196/41222](https://doi.org/10.2196/41222)
4. Lobchuk, M., **Bathi, P.R.**, Ademeyo, A., & Livingston, A. (2021). Moderator and observer experiences and decision-making during remote usability testing of a web-based empathy training portal. Published in the *Journal of Medical Internet Research (JMIR) Formative Research*. DOI:[10.2196/35319](https://doi.org/10.2196/35319)
5. **Bathi, P.R.** (2020, January 30). Health Data Privacy: Stolen medical records can compromise your identity. News Landed. <https://newslanded.com/2020/01/30/health-data-privacy/>

TALKS & PRESENTATIONS

- Usable Security: An Important Dimension, Fireside Chat at Manipal Information Security Team (MIST), June 2021.
- Data Privacy 101, A Blank 101 Talk orienting students towards data privacy risks and necessities, February 2020.
- Computers with a Cause, Winning presentation at MyPCMyStory organized by Dell Inc., December 2019.

LEADERSHIP & INVOLVEMENT

- Head of Research and Treasurer at Manipal Information Security Team (MIST), a student body aimed at cybersecurity and data privacy concepts. (July 2020 - August 2021)
- Certified Cadet holding the rank of Corporal with the National Cadet Corps(NCC). (July 2018-February 2021)
- Campus Ambassador, Coursera. (May 2019-April 2021)
- Residential Advisor, Manipal Academy of Higher Education (December 2018-December 2021)
- Cisco SecCon CTF 2020, team made in the top 10.
- Volunteer at Yes We Can, a non-profit organization focusing on child health and education.
- Developed and maintain V4AChange. A platform for citizens to obtain and comment on national and international issues. Citizen feedback is routed to major media for publication consideration.
- Organizer for Sponsorship for university cultural fest (Revels' 20).
- Android App Developer for university technical fest (TechTatva'19).
- Led high school team for the NASA Space Settlement Contest. (2016)
- Member, Student Council of Middle and High School, Johnson Grammar School. (2012-2014)

MOOCS, ADVANCED COURSES AND CERTIFICATIONS

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| <ul style="list-style-type: none">- Azure AZ-900 Certification: Microsoft- Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans TCPS 2: CORE.- Specialization in Big Data, UC San Diego- Open Source Tools for Data Science, IBM.- R Programming, Johns Hopkins University. | <ul style="list-style-type: none">- Interaction Design Specialization, UC San Diego- Advanced Cryptography (CSE5171 Masters Level)- Cryptanalysis (CSE5271 Masters Level)- Advanced Database Systems (CSE5153 Masters Level)- Social Network Analysis (CSE4074)- Human-Computer Interfaces (CSE4069) |
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