

Prachotan Reddy Bathi

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EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA

EXPECTED DECEMBER 2024

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

FIITJEE JUNIOR COLLEGE

JULY 2016-MAY 2018

HYDERABAD, INDIA

12TH GRADE HIGH SCHOOL (MATH, PHYSICS AND CHEMISTRY), 97.8/100

EXPERIENCE

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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