

SHIVAM SHUKLA

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EDUCATION

Computational Media, UCSC *Sep 2023 – Dec 2024*
Master in Human-Computer Interaction
GPA: 4.0/4.0

SRM Institute of Science and Technology *May 2016 – June 2020*
Bachelor in Electrical and Electronics Engineering

RESEARCH EXPERIENCE

NASA Ames Research Center(Apprenticeship) Apr 2024 - Dec 2024
Researcher and Designer Mentors: Jimin Zheng and Katherine Jiang

Game User Interaction and Intelligence Lab | UCSC Apr 2024 - Present
Research Assistant Advisor: Dr. Magy-Seif El Nasr

Interaction Dynamics Lab | UCSC Dec 2023 - Dec 2024
Usability Researcher Advisor: Dr. Elin Carstensdottir

Electrical and Electronics Department | SRMIST 2018 - 2019
Undergrad Researcher Advisor: Dr. P Suresh

Next Tech Lab | SRMIST 2018
Undergrad Researcher and Designer

INDUSTRY EXPERIENCE

IIT Ashram July 2020 - June 2023
UX Designer and UI Developer Vadodara, India

Schneider Electric 2018
Engineering Intern Vadodara, India

TEACHING EXPERIENCE

Department of Performance, Play & Design | UCSC Spring 2024
Teaching Assistant Instructor: Kinan Valdez

Department of Performance, Play & Design | UCSC Fall 2024
Teaching Assistant Instructor: Noah Luce

Physics and Mathematics | IIT Ashram 2021 - Present
Volunteer Teaching

PUBLICATIONS

Modified Particle Swarm Optimisation for Economic Load Dispatch Problem 2019
International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-2S3.

PRESENTATIONS

NASA Ames Research Center Fall 2024
Research Presentation

- How a human-centered AI system can support mission planners and crew members in addressing challenges during re-scheduling in constrained and critical environments?

Human-Centered AI Group UCSC Fall 2024
Invited Talk

- How a Human-Centered AI-driven Approach Can Shape the Future of Space Technologies?

NASA Ames Research Center Spring 2024
Research Presentation

- Plausible design recommendations for AI-supported Space Mission Planning and Execution.

National Conference on Power, Circuit and Sustainable energy systems 2019
Research Presentation

- The impact of modified Particle Swarm Optimization (PSO) in achieving an optimal solution for a power system unit.

ACHIEVEMENTS

- Awarded the **Computational Media Scholarship at UCSC** for academic excellence. *(Fall 2024)*
- Completed a **100-mile bike ride** to raise funds for heart patients and promote health awareness through the American Heart Association. *(2024)*
- Secured **First Place** in the Design Hackathon at UCSC Silicon Valley Campus. *(Winter 2024)*
- Raised **500,000 INR** (approx. 6,000 USD) for the empowerment of underprivileged communities of Uttar Pradesh. *(2023)*
- Featured in **Dainik Bhaskar Newspaper** for contributions to the Rural Women Empowerment Initiative. *(2022)*
- Received the **Best Employee of the Year Award** for two consecutive years. *(2021 & 2022)*
- Secured a position under **Top 3% Candidates** in the entire India in the Graduate Engineering Aptitude Test conducted by IIT Bombay. *(2021)*
- **Youngest State-Level Yoga Medalist.** *(2012)*

SERVICE

Volunteer | Design it for us Fall 2024 – Present
A youth-led coalition to advocate for safer online platforms and social media.

Mentor | UCSC Fall 2023 – Fall 2024
Women in Science and Engineering (WiSE) program for promoting equity and inclusion in STEM.

Founder | Project Dhyanasetu 2022–Present
Project Dhyanasetu is an initiative dedicated to enriching society and our personal lives through interdisciplinary approaches, such as mindfulness, creative expression, and community-driven initiatives.

Committee Member | SRMIST 2017 – 2019
Directorate of Student Affairs