



1C/3, 7th Cross St, Lalgudi, TN, India - 621 601

allwinwilliams.com

iam@allwinwilliams.com

+91 87549 68346

Allwin Williams

Objective

Exploring and experimenting novel ways to express emotions through multi-sensory interfaces and interactions

Research Interests

Multi-sensory Interactions • Musical Interface Design • Immersive installations •
Visualisation & Sonification • Creative Technology • Psychology • Interaction Design

Professional Experiences

Param Innovations, Bengaluru, India

Sep 2024 - Present

Interaction designer

Building interactive and immersive exhibitions for science experience center

Installation Design, Interactive Installations, HCI, Sound Installations

Bigfoot.Land, Bengaluru, India

July 2024 - Present

Co-founder, Technology & Design

Building a new age personalized fashion platform with music, AI and other customisations

Product development, Web design and development

Interaction Design Consultant

July 2020 - Present

Worked with organizations like NCERT(National Council of Educational Research and Training) and Novatr (Y-Combinator based start-up) on create new interactive experiences

Interaction Design, Product development, Web design

Razorpay, Bengaluru, India

Mar 2022 - Sep 2024

Product designer

Building lending experiences for small businesses and start-ups in India

User research, Product management, Experience mapping, UX wireframes, Digital Prototypes, Usability testing

Cohesity, Bengaluru, India

Aug 2021 - Feb 2022

UX design intern

Designing digital interfaces stakeholders involved in server hardware maintenance

Research interviews, Experience mapping, Persona mapping, UX wireframes, Documentation

Academic Experiences

National Institute of Design, R&D Campus, Bengaluru, India

Dec 2023 - Present

Visiting faculty on Interaction Design

Conducting lectures and mentoring projects around connected devices & tangible interactions

Woxsen University, Hyderabad, India

Apr 2024 - Present

Visiting faculty for design students

Introductory courses on new media design and web design for student projects

Coimbatore Institute of Technology, Coimbatore, India

May 2025

Co-ordinator & trainer for students of Information Technology

Took a 2 week module on building AI-powered web based MVPs(Minimum Viable Products)

Education

National Institute of Design, R&D Campus, Bengaluru, India

Aug 2019 - Aug 2022

Masters in Design, Interaction Design • CGPA: 7.76 / 10

Relevant Courses: Digital media & Visualization, Fundamentals of Interaction Design, Research Methodology, Sound design, Multimodal Interactions, Information Design & Visualisation, System design project, Hybrid Lab: AR/VR, Simulation/Prototyping, Tangible User Interface

Coimbatore institute of technology, Coimbatore, India

Aug 2015 - Apr 2019

Bachelors in Technology, Information Technology • CGPA: 8.61 / 10

Relevant Courses: Software Engineering, Digital Signal Processing, Web Technology, Soft Computing, Artificial Intelligence, Machine Learning, Internet of Things

Other Relevant Courses

Modular Synthesis using Eurorack

May 2024

Himachal Institute of Music Technology, McLeod Ganj, India

Introduction to Psychology

Nov 2020

Yale University on Coursera

Neural Networks and Deep Learning

Feb 2018

DeepLearning.AI on Coursera

Tools

Programming: JavaScript, HTML/CSS, Python, Arduino, P5.js, Three.js, React.js

Visual Design: Adobe Illustrator, Blender, Adobe Premiere Pro, Figma

Sound Design: Modular Synthesis, VCV Rack, SuperCollider, Logic Pro, Pure Data, Max/MSP

Interactive Environments: Unity, TouchDesigner

Awards, Honors & Achievements

Second author, NIME 2025 publication on gravity-based musical interface

Co-authored GraviTone: A Tangible Musical Interface using Gravity Well for Sound and Music Creation published in Proceedings of NIME 2025

Talk on “Playful Interfaces for Experimental Music” in ADCx Gather 2024 (Audio Developer Conference)

Spoke on evolution of musical interfaces and the current trends in music instrument design

Resident at SynthFarm 2024, international residency on synth building and experimental audio

Explored building own synth modules, experimental audio practices and AI based synthesis

Showcased “Sentiments of Emojis” in Processing Community Day(PCD) 2021 India

Project on real-time visualization and sonification of emojis from Twitter

Showcased “Sounds of action” in Lines of Inquiry 2020 Annual design show at NID

Sonic installation featured in annual project showcase at NID for academic year 2019-20

Abhimanyu Award for achievements in extracurricular activities

Extra ordinary performance in technical and cultural(music) activities at CIT

Best performer award (All rounder) - Department of Information Technology, CIT

Combined performance in co-curricular, extra-curricular, cultural and student body activities

Secretary and Lead keyboardist, Music Club of CIT (Fifth Dimension Band)

Organised and participated in various cultural(music) events inside and outside campus

Founding Member and Co-ordinator, Coding Club

Key player in forming a student club for code explorations and conducted workshops

Skills

Design skills: Human-first approach, User research, Systems Thinking, Prototyping, Simulation, Journey Mapping, Usability testing, Inclusive design, Documentation, Design Education

Soft skills: Creative thinking, Team working, Fast learning, Project planning, Empathy



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