



Suryaveer Patnaik

Full Stack Developer

www.svpx.dev

Address

Bundesallee 17,
10717 Berlin,
Germany

Phone / Email

+49 176 43425657
sp@suryaveerpatnaik.com
www.linkedin.com/in/suryavp

DoB.

19.07.1992

PORTFOLIO

www.svpx.dev

Mitory - A Journaling App

Spec Project

Mitory is an online journaling tool developed with HTML, CSS, EJS, Javascript and Bootstrap for frontend and Node JS, Express and Javascript.

[Mitory/Project](#) - [Mitory/GitHub](#)

Hawk - Sensor API

Professional Work, Private

Hawk is an API for working with IoT sensors for the EU project EZY-CRD-GO. It is written in Javascript for Express and NodeJs. Documentation available.

[Hawk/GitHub](#)

Athena - React frontend

Spec Project

Athena is a React frontend demo project for a bookstore. Made using React, Context API and Hooks

[Athena/Project](#) - [Athena/GitHub](#)

CPO Pay - A payout tool

Indie, Sold

Developed Payout tool for Plugsurfing GmbH using Python and PyQt for processing their payout for CPOs

www.svpx.dev

PROFILE

- A full stack developer for web applications using the MERN stack and professionally trained as an architect & designer.
- A professional with 2 years of experience as data analyst and project manager at TU Berlin for EU funded projects.
- Experience with conducting UX/UI research and developing prototypes for mobile and web applications.

TECHNICAL SKILLS

UX/UI	Frontend	Backend	Deployment
<ul style="list-style-type: none"> • Adobe Xd • Invision App • Photoshop • Illustrator • Indesign 	<ul style="list-style-type: none"> • Html • CSS • Javascript • React • EJS • Bootstrap • JQuery 	<ul style="list-style-type: none"> • Javascript • Node Js • Express • Python • Mongo DB • MySQL 	<ul style="list-style-type: none"> • Git • Github • Heroku • AWS

WORK EXPERIENCE

Research Associate, Data Analytics and Management

Chair for Sustainable Planning and Urban Design
Institute of Architecture | Technische Universität Berlin

▶ July 2019
- Present

- Responsible for **urban and city data analysis** for **crowd movement and management, planning** considerations and **design**.
- Involved in **5 technology and digital cities IoT projects**. Responsible for **project development, project management & delivery**.
- Completed project on **Circular Construction Platform (UX/UI Testing)** as **project lead** working companies like **Covestro, City of Helsinki and Fraunhofer IPK**.
- Responsible for **managing the hardware development** and **developing API for the project** EZY-CRD-GO.
- Ezy-Crd-Go - [Project Link](#) - IoT based sensors for crowd management.
- GetHomeSafely - [Project Link](#) - Smart lighting system for navigation.
- BuiltByData - [Project Link](#) - Parametrically optimized facade system.

www.linkedin.com/in/suryavp

COM. SKILLS

Workshops and Lectures

Conduct regular workshops on python for energy consultants and on circular construction at TU Berlin and Futurium.

Podcast, Host & Producer

www.thenxtpodcast.com

Produce & host a video podcast show about architecture, AI, sustainability and start-ups.

EDUCATION

MBA Building Sustainability

Technische Universität Berlin
2017 — 2019
Germany

PGD Renewable Energy

TERI SAS
2016 — 2017
New Delhi, India

Bachelor of Architecture

School of Planning
and Architecture
2011 — 2016
Chandigarh, India

Project Assistant, Data Analytics and Management
Chair for Sustainable Planning and Urban Design
Institute of Architecture | Technische Universität Berlin

▶ July 2018
- July 2019

- Responsible for **coordinating development and design teams across the project.**
- **Developed pilot testing parameters** to test the **impact of LED lights on stress** which **helped us in establishing a correlation** between **lighting temperature and stress reduction in residential buildings.**
- **Developed graphing and dashboard program** to perform **sensor integration for environmental sensors** on building level. Worked with **Aalto University, Phillips Lighting** and **Arup** for the two projects.

Project Architect, Design & Construction

Urbanscape Architects
New Delhi, India

▶ July 2016
- July 2017

- Oversaw **4 projects** in **commercial, educational & industrial buildings** ranging in size from 500 to 4500 sq. mts.
- Responsible for **project design development, construction phase and delivery.**
- **Sangini House** project has been recently **featured on Archdaily** and was overseen by me as **project architect.**

ACHIEVEMENTS

- **Lehrauftrag, Technische Universität Berlin - EUREF Campus** ▶ **2020**
MBA Building Sustainability -Sommersemester 2020, Delivered a comprehensive course on developing **Net-Zero Energy Building from scratch**, covering regulations, simulation modeling & passive design.
- **Team Leader — Finalist, Solar Decathlon 2019 - Design Challenge** ▶ **2019**
Top 8 teams globally, US Solar Decathlon '19 - Design Challenge, Lead the **only winning team from Germany** to the US finals in Colorado. Responsible for project management, partnership management, energy concept design, final reporting.
- **Team Leader — 1st Prize at ESMT HackNight - Future of Education** ▶ **2018**
- **Founder — Holt Products, Design Company** ▶ **2016**
Successfully co-founded a product design company "**Holt Products**" and sold a few hundred copies of notebooks designed for architects and designers.

spatnaik

Suryaveer Patnaik
Berlin, Germany