Devang Chauhan

A Software developer with background in design, project management, and consulting
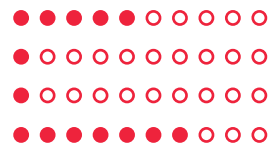
✉ devang@outlook.in
📞 437 244 4016
🔗 devang.io
in devangchauhan
📍 Toronto

Skills

Python, click, pytest, plotly	●●●●●●●●●○	html, Javascript, css	●●●●●○○○○○
pandas, numpy	●●●●●○○○○○	git, github-actions	●○○○○○○○○○
streamlit, pil, vtk	●●●●●●●●●○	react	●○○○○○○○○○
Sql, RestAPI	●○○○○○○○○○	Affinity suite, figma	●●●●●●●○○○

Experience

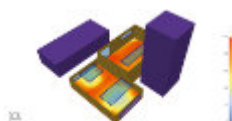### Software Developer [full-time]
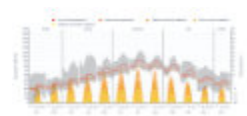### Pollination.cloud, USA

📅 Nov.21 - Present
[1 year 7 mos]

- Development and maintenance of python packages to support data analysis and visualization in the web apps
- Command line interface development using click
- Unit tests using Pytest
- Web app development using Streamlit
- Product technical scoping and design UI mock-ups
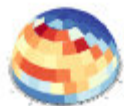- High impact project examples

Honeybee-vtk, a python package to translate GBs worth honeybee JSON data to a 3D model to be visualized in a web app.

Ladybug-charts, a library to create interactive data plots using Ladybug and Plotly.

ladybug-vtk, a python library to create 3D representation of the ladybug objects to add to the web app.

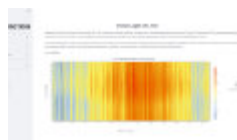Honeybee-3dm, a python package to turn rhino objects into HBJSON (honeybee JSON) format.

Sun path app, a web app to see how the sun moves at a certain location on earth and load weather data on it.

Weather data app, a web app to visualize weather data of a certain location for early design analysis by architects and energy modelers.

Outdoor comfort app, a web app to visualize the outdoor comfort metrics for a certain metrics and generate a PDF report.

Sustainable design specialist and Computational design leader [full-time]
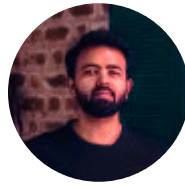### HOK, Canada

📅 Jan.21 - Oct.21
[10 mos]

- Developed a server-less dynamic content loading web platform mock-up to share and host workflows at HOK
- Building performance simulations
- LEED feasibility report for corporate clients

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Senior Sustainability Engineer [full-time]
Khatib & Alami, India

📅 Mar.18 - Aug.19 [1 yr 11 mos]

- Sustainability compliance analysis and building performance simulations
- Inter-disciplinary engineering coordination

Tool Developer & Contributor [part-time]
Ladybug Tools, India

📅 Aug.16 - Oct.20 [4 yr 3 mos]

- Developed a few and contributed to several components of the Ladybug suite for building performance analysis
- Bug fixing in existing components
- User support on the forum

Senior Architect & Sustainability Architect [full-time]
Mamta Shah & Associates, India

📅 Jan.14 - Feb.18 [4 yr 2 mos]

- Project manager for design to execution of several large-scale residential planning projects
- Led a team of seven architects to deliver projects on a profitable basis

Architect [full-time]
SamARCH Architects, India

📅 Sep.10 - May.12 [1 yr 9 mos]

- Developed of technical good for construction drawings for various projects
- Performed technical review of the work of the interns and the CAD operators

Intern [full-time]
Anand Patel & Associates, India

📅 Jul.08 - Nov.08 [5 mos]

- Developed design drawings for various architecture projects
- Supported senior architects in the development of technical good for construction drawings

🎓 Education

Master in Environmental Building Design
Upenn, USA   📅 Sep.12 - Aug.13

Building Science, Energy modeling, Daylighting, CFD, Performance simulation, Research, GPA 3.73/4.0

Bachelor in Architecture
The M.S. University of Baroda   📅 Jul.05 - Jul.10

- Architecture & building construction
- Graduated top of the class
- Five awards of performance.
- Gold medalist

🏆 Awards

Gold medal   The M.S. University of Baroda
For the best academic performance

Gold medal   The M.S. University of Baroda
For the best performance in architectural design

Gold medal   The M.S. University of Baroda
For the best performance in design thesis

Silver Medal   The Institution of Engineers, India
For the highest score in civil engineering exam

Excellence Award   Pidilite Industries Limited
For excellence in architectural studies