

AKASHDEEP SINGH



B.Tech – COMPUTER SCIENCE AND ENGINEERING

Roll number: 20CS8090

Gender: MALE

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Category: OP

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Educational Qualification

• Graduation

SEM	1	2	3	4	5	6	7	8
SGPA	8.28	9.30	8.39	9.04	8.9	8.73		
CGPA	8.28	8.76	8.58	8.70	8.74	8.74		

• Higher Secondary & Secondary

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2019	Class XII	CBSE	94
2017	Class X	CBSE	95

Work Experience

• STUDENT TRAINEE @ SAMSUNG R&D BANGALORE

05/2023 - 07/2023

VACATION SMART APP

[GitHub](#)

- ❖ Developed a Smart App as a SmartThings integration that randomly turns on/off lights and TV.
- ❖ Enhances home security by creating an illusion that someone is home even when the user is on a vacation.
- ❖ User can specify the timings during which the illusion needs to be created.

- ❖ Tech/Tools – Javascript, Node.js, SmartThings SDK, Git, VS Code, AWS.

WEATHER SMART APP

[GitHub](#)

- ❖ Developed a Smart App as a SmartThings integration that notifies the user of an inclement weather.
- ❖ Alerts the user if weather is forecasted to be bad.
- ❖ In case of inclement weather notifies the user which rooms' windows are still open.
- ❖ Rings the user's phone if user does not close windows after 3 notifications.
- ❖ Tech/Tools – Javascript, Node.js, SmartThings SDK, Git, VS Code, OpenWeatherMap API, Twilio API, AWS.

SMART LIGHT EFFECTS

[GitHub](#)

- ❖ Developed a Smart App as a SmartThings integration that implements some cool light effects.
- ❖ Light Effects – Wake Up Light, Circadian Light, Blink Light, Light Pulse.
- ❖ Tech/Tools – Javascript, Node.js, SmartThings SDK, Git, VS Code, EC2.

Skills Summary

• Technical Skills

- C/C++
- HTML
- CSS
- JAVASCRIPT
- NODE.JS
- EXPRESS.JS
- MONGODB
- FAMILIAR WITH PYTHON

• Non-Technical Skills

- TEAMWORK
- COMMUNICATION

Projects

- **GLUGLE**

[GitHub](#)

- ❖ A search engine implementation using Python
- ❖ Flask for handling backend
- ❖ PyMongo to store results
- ❖ Web Scraping using BeautifulSoup
- ❖ Flask-Paginate for pagination of search results
- ❖ Tech Stack – Python, MongoDB, Flask

- **YELPCAMP**

[GitHub](#)

- ❖ A website where users can explore the campgrounds all over the world.
- ❖ Map View supported using Mapbox
- ❖ Authentication/Authorization supported
- ❖ User can add their own campgrounds and leave reviews/ratings on other campgrounds.
- ❖ Tech Stack – HTML, CSS, Javascript, Node.js, Express.js, MongoDB, Bootstrap

- **SORTING VISUALIZER**

[GitHub](#)

- ❖ Visualize various sorting algorithms like Bubble Sort, Selection Sort, Quick Sort, etc.
- ❖ Customizable speed for better visualization
- ❖ Tech Stack – HTML, CSS, Javascript