

Karamveer Singh Sidhu

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🌐 <https://karamveer.netlify.app/>
🐙 KaramveerSidhu
in karamveersidhu

A passionate Software Engineer, with 2.3+ years of development experience, aiming towards creating customer-centric, world class experiences and solutions to problems with the help of technology. Obtained a 5 star gold badge in C++ on hackerrank.

SKILLS

Web Technologies: HTML, CSS, React, Node.js, Next.js	Languages: Javascript, C++, Python	Databases: PostgreSQL, MySQL
Cloud: AWS, Heroku, Netlify	Git, Github, Docker, Redis	Data Structures, Algorithms

WORK EXPERIENCE

CloudSEK

Software Development Engineer

(July 01, 2022 - Present)

- Created data visualization components, dashboards, new pages, did bug fixes & performance optimizations in the company's most ambitious user facing products, XVigil & SVigil.
- Implemented a chunked upload solution, for uploading an apk file that reduced the upload time by **40 - 50%** and bypassed the upload file size limit.
- Quickly developed Exposure Search App in collaboration with other developers that led to **1lakh+** searches & **3000+** new leads for CloudSEK.

🔗 <https://cloudsek.com>

CloudSEK

SDE Intern

(November 15, 2021 - June 30, 2022)

- Created highly performant, reusable, shared **React** components in **Next.js** for the revamp of world's first mobile security search engine BeVigil.
- Reduced the **MongoDB** count query execution time by **88%**.
- Created dashboard pages for the admin panel and improved the existing ones by adding new search functionalities, features and more filters. Used **Sequelize** and **React Admin**.
- Created and optimized the **Docker** images for both the frontend and backend services.
- Created new APIs and improved existing ones written in **Node.js**. Cached computational count query results in **Redis**.

Tutort Academy

Software Engineer Intern

(June 11, 2021 - November 12, 2021)

- Planned, designed, and developed the company's Web App by creating flexible, object oriented, reusable components in **React** using relevant Data Structures & Algorithms.
- Completed the minimum project requirements well on time by prioritizing the important tasks.
- Deployed the app on cloud using Ubuntu **Linux EC2** instance of **AWS**.
- Used **Amazon Aurora PostgreSQL** cloud database. Developed a backend server using **Node.js**.
- Saved costs by installing free SSL certificate from Amazon Certificate Manager of AWS. -Improved the **SEO** by learning and using **prerender** service to respond differently to bots and users.
- Received free enrollment into a course provided by the academy as an **award** for working up to the expectations.

🔗 <https://tutort.net>

PERSONAL PROJECTS

Face Detection On Cloud

A full stack application to detect face in an image on the cloud.

- Built a full stack **JavaScript** application to detect face in an image on the cloud with user registration.
- Used **React.js**, HTML5, CSS3, React Bootstrap and particles.js on the front-end. Created a **Restful API** on the back-end using **Node.js** and **Express.js** to handle requests from the front-end and respond accordingly after interacting with a **PostgreSQL** database using **knex**.
- Deployed the application 100% on cloud using **Heroku**, **Git** and **Github**.

🔗 <https://facedetectionreact.herokuapp.com/>

EDUCATION

PUNJAB TECHNICAL UNIVERSITY

Bachelor of Technology in Computer Science & Engineering

(July 16, 2018 - June 30, 2022)8.86 CGPA

Merit Scholarship | Football Team | Best Speaker out of 70 colleges | One of 17 in Young Leaders Program | NCC

PUBLICATIONS

Data science and analytics in agricultural development	(March 08, 2021)	Advancements in farming and related activities with the help of artificial intelligence: a review.	(March 08, 2021)
Environment Conservation Journal		Environment Conservation Journal	
🔗 https://doi.org/10.36953/ECJ.2021.SE.2202		🔗 https://doi.org/10.36953/ECJ.2021.SE.2206	