

# Saswata Mukherjee

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🌐 [linkedin.com/in/saswatacode/](https://linkedin.com/in/saswatacode/) 📍 Kolkata, India

## Education

- Kalinga Institute of Industrial Technology, Bachelor of Technology (B.Tech)** Jul 2019 – Jul 2023
- Second-year student majoring in Computer Science and Engineering with a GPA of 9.76/10.0
- Delhi Public School, Ruby Park, CBSE** Jan 2006 – Apr 2019
- Graduated CBSE with 93.4% (9.35/10.0 GPA) in Science with CS stream

## Experience

- MayaData, Software Engineer Intern** Aug 2020 – present
- Developed UI components and screens and worked on code refactors for data-intensive dashboards of LitmusChaos [🔗](#), an open source Cloud-Native Chaos Engineering Toolkit for SREs, as well as Kubera, a single-click enterprise Kubernetes automation solution
  - Worked on transitioning frontend codebases for detailed Chaos Engineering dashboards to use a custom in-house component library, Kubera-UI [🔗](#), using technologies like React.js, Material-UI, TypeScript & StoryBook
- Developer Student Clubs(Google), KIIT, Full-Stack Web Developer** Nov 2019 – present
- Developed CLI for Divert [🔗](#), the internal URL redirect service, with secure authentication and aesthetic design. Released as an npm package [🔗](#).
  - Developed the judging web portal for devhack, an online hackathon, for judges to mark submissions using Gatsby.js and Styled-Components
  - Conducted online sessions and wrote technical blogs [🔗](#)
- Mozilla Club BBSR, Full-Stack Web Developer** Jul 2019 – present
- Developed new website from scratch with React.js and Firebase, with features like easy & secure uploading of event content and images
  - Organized workshops on Git & GitHub as well as Streamlit, a framework for rapid prototyping of machine learning applications using Pytorch & Tensorflow

## Technical Strengths

React.js | Node.js | Express.js | Next.js | Gatsby.js | Material-UI | Styled-Components  
TailwindCSS | HTML5 | CSS3 | JavaScript(ES6) | TypeScript | MongoDB | PostgreSQL | MySQL  
Redis | Python3 | Flask | Golang | RESTful APIs | GraphQL | Git | Docker | Kubernetes

## Projects

- React Job Board, React, Node.js, Express.js, Redis, Cron, Material-UI, TypeScript** [🔗](#)
- Lists jobs using the GitHub Jobs API. Caches data from the API into Redis and updates it using an hourly cron job which thus avoids repetitive network requests to the API and improves latency considerably.
- Quote Search Engine, Golang, Elasticsearch, Next.js, TypeScript** [🔗](#)
- Scrapes Goodreads quotes and indexes data into Elasticsearch for robust text analysis using a Golang, with CLI and Frontend web application present, for easy interaction with analyzed data
- Data Science API, Python3, Scikit-Learn, Flask** [🔗](#)
- Provides ML Algorithms such as Linear Regression using scikit-learn as RESTful API endpoints built using Flask, which returns predictions and accuracy metrics. Useful for rapid testing and analysis of sample data
- React Rainbow Scrollbar, React, ES6, NPM** [🔗](#)
- npm package which provides a rainbow scrollbar for React-based applications. Has over 233 downloads

## Certifications

- AWS Fundamentals [🔗](#)
- GCP QwikLabs Skill Badges [🔗](#)
- JP Morgan Chase & Co.- SWE Virtual Internship [🔗](#)