# AMAN KUMAR SINGH

Full Stack Developer

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## SUMMARY

Full Stack Developer with expertise in Python, Java, JavaScript, and a strong background in building scalable web applications. Skilled in React, Flask, MongoDB, GraphQL, and Shopify ecosystem, with experience in front-end, back-end, and cloud deployments. Committed to continuous learning, performance optimization, and following best practices to deliver tailored solutions.

## SKILLS

**Languages:**  Java, Python, JavaScript, SAP Abap, SQL,

**Technologies:** Flask, React, Tailwind, ChakraUI, Github, Postman, GCP, Shopify Ecosystem, RESTAPI, GRAPHQL, Node JS, Redux, Data Structures, Algorithms

## EXPERIENCE

**2024 - Current** — **Full Stack Developer** — THE REMOTELAB TECHNOLOGIES (Dookan.com), Czech Republic
- Developed a full-stack dashboard (Flask + React) to manage and filter inventory edits logs, with export options and filters.
- Developed a bulk tag management app using GraphQL, with file validations, tag blacklisting, and performance improvements via batched requests and parallel processing.
- Created a custom checkout extension for PayPal payments based on cart value, solving limitations with a dynamic tax product approach.
- Built a gift management app for operations, handling tier creation/removal and restricting certain products from being added as gifts.
- Designed a discount management system with scheduling features, reducing manual processes for membership and occasion-based discounts.
- Implemented a checkout validation function limiting product quantities based on collection-specific rules stored in metafields.

**2022 - 2024** — **React Developer** — TATA CONSULTANCY SERVICES, Kolkata
- Led frontend UI development yielding a 20% boost in user satisfaction and a 15% rise in engagement.
- Engaged in close collaboration with cross-functional teams to seamlessly integrate user-facing elements with server-side logic, leveraging modern web design best practices and RESTful APIs developed with Node.js, cutting bounce rates by 25% and enhancing app performance by 30%.
- Leveraged prior expertise in CRUD operations and database design to optimize critical features. By implementing efficient data storage techniques and employing user authentication mechanisms, we ensured swift and secure access to CRUD operations, achieving a remarkable 8% page load time improvement while enhancing the application's responsiveness.

**2021 - 2022** — **Technofunctional Consultant (SD + ABAP)** — TATA CONSULTANCY SERVICES, Kolkata
- Spearheaded transformative initiatives in the SD module, achieving a 20% increase in operational efficiency.
- Automated reporting for critical interfaces, reducing manual effort by 80% and eliminating errors, resulting in more accurate and timely data analysis.
- Addressed critical issues to ensure uninterrupted business operations, implementing efficient solutions that significantly reduced project implementation time.

## PROJECTS

**React** — **Google Search Engine Clone** — https://aman7483.github.io/GoogleSearch/
React-based search engine with modern UI and dark mode, Provides updated results, Utilizes Google Search API from Rapidapi.com, Designed using Tailwind CSS.

**React** — **Portfolio** — https://aman7483.github.io/Portfolio/
Built a dynamic personal portfolio using React and Tailwind CSS, highlighting skills and projects in a modern, engaging User Interface and dynamic footer.

**JS, Html, Css** — **Password Generator** — https://aman7483.github.io/Password-Generator/
Web app for creating passwords with customization - Users can choose formats, include/exclude characters - Option to select password length.

**JS, Html, Css** — **Task Manager** — https://aman7483.github.io/Task_Manager/
Task Managing app featuring Open, in progress, Review, and done - drag and drop functionality.

## EDUCATION

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|---|---|---|
| 2017 - 2021 | **BACHELOR OF TECHNOLOGY (B.TECH.) - COMPUTER SCIENCE ENGINEERING** | Graduation |
| | DHANESHWAR RATH INSTITUTE OF ENGINEERING AND MANAGEMENT STUDIES, CUTTACK | |
| 2014 - 2016 | **INTERMEDIATE - COMPUTER SCIENCE** | Intermediate |
| | KERALA PUBLIC SCHOOL, JAMSHEDPUR | |
| 2013 - 2014 | **MATRICULATION – SCIENCE** | Matriculation |
| | KERALA PUBLIC SCHOOL, JAMSHEDPUR | |

## CERTIFICATIONS

- **Full Stack Development Certification** - Newton School, 2023
- **Java** - Durga Software Solutions, Hyderabad, 2019
- **Web Designing** - Trisang Software Developers Pvt Ltd, 2020
- **AWS Machine Learning** - Coursera, 2020
- **Industrial IoT on Google Cloud Platform** - Coursera, 2020