Sarthak S Kumar
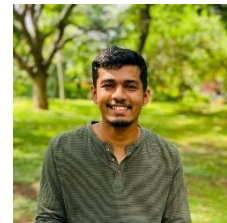
Software Developer | Bengaluru, Karnataka, India | sarthakskumar7@gmail.com
Portfolio Website | Linkedin | Github | **Phone:** +91 97429 13699

A computer science undergraduate student with hands on experience in industry demanding skills. With a focus on real-world applications, I aspire to attain professional experiences and make a remarkable impact on society and the organization by utilizing my expertise.

EDUCATION

B.Tech, Computer Science	PES University Electronic City Campus, Bengaluru	7.03 CGPA	2021 – Present (2025)
12th Grade (Pre-University)	Expert Pre-University College, Mangaluru	98.83%	2019 - 2021
10th Grade (Matriculation)	Sharada Vidyanikethana Public School, Mangaluru	95.74%	2019

SKILLS

Programming Languages: Python, C/ Embedded C, TypeScript, JavaScript
Technologies/Frameworks: React.js, Node.js, MySQL/PostgreSQL, MongoDB, GraphQL, Next.js, Docker, Kubernetes, Jenkins
Big Data Technologies: Apache Hadoop, Hadoop MapReduce, Apache Kafka, Apache Spark, Cluster Creation
Internet of Things: Raspberry Pi, Arduino, ESP32/ESP8266, Blynk IoT, MQTT
Developer Tools: Git, Cloudflare, Amazon Web Services, Azure, Linux
Soft Skills: Leadership, Public Speaking, Problem Solving, Interpersonal Skills, Teamwork, Communication

WORK EXPERIENCE

Subject Matter Expert – Full Stack Development   **August 2023**
PESU I/O, PES University   *Bengaluru, India – Part Time, On-site*
- Created a comprehensive course curriculum and Instructed students at PES University in Full Stack Development with **Next.js 13.0**.
- Facilitated hands-on learning through projects, assessments, enabling students to gain proficiency, focusing real-world applications.

Full Stack Developer   **April 2023 - August 2023**
GreenTick - PESU Venture Labs   *Bengaluru, India – Internship, Hybrid*
- Assisted in building Test Case Management, Feature Management, and Dashboard Systems to improve the web app's functionality.
- Implemented **AWS S3 storage** for data management, made UI enhancements, designed APIs to enable seamless data flow. Gained insights into Dev, QA, and Production stages. Prioritized writing clean, efficient code and collaborated with the team.

Full Stack Developer   **September 2022 - February 2023**
Cisco ThingQbator – Cure and Prevent Anemia (CAPA)   *Bengaluru, India – Internship, Hybrid*
- Designed a platform that communicated CAPA's mission of addressing anemia, engaging users with immersive web experiences.
- Took responsibility for complete website development, including user authentication features, and dynamic content management.

PROJECTS

Salaar Part 1 - Ceasefire Movie Official Website   **November 2023 – December 2023**
- The website was an info hub for the movie fanbase and hosted nationwide campaigns, **Salaar Fan Army** and **Salaar Creative Squad**
- Built a high-performance auto-scaling backend with **Express.js** deployed on **AWS Elastic Beanstalk** with **Nginx**, capable of handling **2.8k requests/second**. The site was developed using **Vite.js + React.js** and **Tailwind CSS**, leveraged **AWS Amplify** for hosting, **CloudWatch** for monitoring, and stored media in **AWS S3**. The **MySQL database** was hosted on **AWS RDS**.
- The site saw over a million visits with **1.67 Lakh peak concurrency** and with **over 1.5+ lakh** user registrations and submissions. It also made into the twitter trends and showcased the successful integration of technology and creative engagement strategies.

Dukaan - Deals Website/Channel   **June 2023 – August 2023**
- An online deal tracking platform to find offers, sales and shopping deals, discount coupons and promo codes from Amazon.
- Utilized **Next.js** and **Tailwind CSS** for styling for a seamless user experience. Built web scrapers using **Cheerio** and **Node.js** and developed a Telegram bot to broadcast deals to over **130,000 subscribers**. Incorporated **Hygraph** and **Cloudinary** as a headless CMS, allowing non-technical users to easily manage website content.

Find My Course - Course Channel/Website   **May 2023 – June 2023**
- A platform offering free access to Udemy courses, enabling global learners to learn skills and explore diverse subjects.
- Implemented a robust backend with **Node.js** handling **35 million requests** from May 2023 to September 2023.
- Developed a Telegram bot, reaching nearly **90,000 subscribers**, to broadcast live course updates. Handled Full-Stack Development using **Vite.js** with **React.js** and **Cheerio** for Scraping, leveraging user experience and data retrieval.

Environment Monitoring Management System (PWA) - KWMSYS GmbH Internal Project   **March 2023 – June 2023**
- A **Progressive Web App** that manages environmental sensors/devices through organized route-based task management.
- Built with **Next.js** and **PostgreSQL** database. Created APIs for CRUD and Real-Time Operations. Containerized with **Docker** for efficient deployment. Integrated user authentication to ensure secure access and data protection.
- Implemented Waypoint Route Optimization using **Google Maps API** and **Google Directions API**, for streamlined employee routes.

PERSONAL INFORMATION

Languages: English, Hindi, Kannada, Tulu	Date of Birth: 11th July 2003	Gender: Male