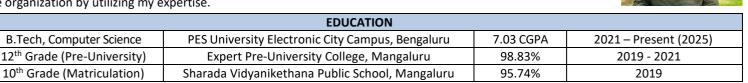# Sarthak S Kumar

Aspiring Software Developer Intern | 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 gain 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/MapReduce, Apache Kafka, Apache Spark, Cluster Creation
Internet of Things: Raspberry Pi, Arduino, ESP32/ESP8266, Blynk IoT, MQTT, ThingSpeak
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*
- Developed Feature Management, Test Case Management Features 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.

Co-Founder   **March 2023 - August 2023**
IoTforHire – PES University   *Bengaluru, India - Part Time*
- An innovative hybrid platform created for our college startup venture, connecting IoT enthusiasts and offering a unique renting service for IoT components and valuable knowledge-sharing.
- Users benefit from the convenience of accessing a wide range of IoT components at affordable rental prices, eliminating the need for physical store visits and ensuring the quality and suitability of the components for their projects.

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 **2,800 requests/second**. The site was developed with **Vite.js + React.js**, leveraged **AWS Amplify** for hosting, and stored media in **AWS S3**. The **MySQL database** was hosted on **AWS RDS**.
- The site saw over a million visits with **1,67,000 concurrent users** at peak, and **over 1,50,000+** user registrations and submissions. It also made into the twitter trends and displayed 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 over **98,000 subscribers**, to broadcast live course updates. Handled Full-Stack Development using **Vite.js + React.js** and **Cheerio** for Scraping, leveraging user experience and data retrieval.
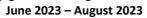
Environment Monitoring Management System (PWA) - KWMSYS GmbH Internal Project   **March 2023 – June 2023**
- A **Progressive Web App** that manages environmental sensors/devices through organized route-based task management.
- Built with **Next.js** and **PostgreSQL** database. Created APIs for CRUD 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