SARTHAK S KUMAR

Bengaluru, Karnataka, India   📞 +91 9742913699   ✉ sarthakskumar7@gmail.com

🌐 sarthakskumar.com   in sarthakskumar   ⭘ sarthakskumar

EDUCATION

Course	College/University	Year
B.Tech, CSE	PES University	Expected 2025
Intermediate/+2	Expert Pre-University College	2021
High School	Sharada Vidyanikethana Public School	2019

SKILLS

Languages	C++, Python, JavaScript, TypeScript, SQL, GraphQL, HTML/CSS
Frameworks/Libraries	NodeJS, NextJS, ReactJS, Redux, Firebase, Supabase, Appwrite, Spark, Kafka
Database Technologies	MongoDB, PostgreSQL, MySQL, Prisma, Sequelize
DevOps/Infrastructure	Kubernetes, Jenkins, Docker, Nginx, Amazon Web Services, Grafana, Linux
Technologies/Domains	REST APIs, Microservices, Full-Stack Development, PWA, DevOps

EXPERIENCE

TwoSpoon.ai 📄 - *Software Development Intern*   **July 2024 - Present**

- Working with senior developers to design/deliver high-impact full-stack applications for diverse firms and agencies.
- Currently building an **AI-driven platform** to deliver real-time insights on Indian movies, for a leading marketing agency.
- Engaging in code reviews and ensuring scalable solutions in a dynamic, consulting-driven environment.

GreenTick 📄 - *Product Innovation Lead*   **April 2023 - August 2023**

- Developed Intuitive Feature Management, Test-Case Management Sections and CXO Dashboard Interfaces using **ReactJS**, ensuring **high performance** and **responsiveness**. Optimized existing code for maximum **speed** and **scalability**.
- Implemented **AWS S3 Storage** for media management and designed **REST APIs** to ensure seamless data flow.

RESEARCH

- *Advancing Urban Evacuation Management: A Real-Time, Adaptive Model Leveraging Cloud-Enabled Big Data and IoT Surveillance, at the **4th International Conference for Intelligent Technologies (CONIT, Jun 2024)*** 📄

PROJECTS

PES University Official Internship Portal ⚲ - *NextJS, NodeJS, MySQL, AWS*   **Jan 2024 - Jun 2024**

- Streamlined internship approval, reporting, and feedback, replacing manual emails and forms. Includes **Automatic Grading System** and **Analytics Dashboard**. Implemented **RBAC** for department, manager, and student roles.
- Secured with **Cloudflare**, Using **S3** Storage, **RDS MySQL** and **Cloudfront CDN** with **AWS WAF**, and custom **SMTP server** for automated emails. Worked with developers/testers using **Agile Methodology** for better project execution.

Anuraksha App ⚲ - *AWS, Ionic, Grafana, Nginx, PostgreSQL, ReactJS*   **Apr 2024**

- Built a cross-platform emergency app, integrating **Rapid Volunteer Network** response to address gaps in current systems.
- Implemented **Real-Time Location Tracking**, and built a scalable backend using **EC2**, **RDS**, **S3**, **Route 53**, and **Nginx** with **CI/CD pipeline** via GitHub and monitoring using **Grafana**. Connects users to nearby volunteers and services.

Salaar - Ceasefire Official Movie Site ⚲ - *ReactJS, NodeJS, Nginx, Docker, AWS*   **Nov 2023 - Dec 2023**

- Developed a movie fanbase info-hub and hosted nationwide online fan campaigns using **ViteJS** with **Amplify** for deployment, **S3** for media storage, and **RDS MySQL** database, infrastructure monitored using **Cloudwatch**.
- Built an auto-scaling **ExpressJS** backend on **AWS EBS** with **Nginx**, handling **2,800 RPS**, attracting **2M+ visits**, **167K peak concurrent users**, and **350K+ registrations and media submissions**.

Find My Course - Course Channel/Website ⚲ - *ReactJS, NodeJS, Cheerio, CPanel*   **May 2023 - Jun 2023**

- Launched a free Udemy course access platform for global learners. Built an **ExpressJS** backend with **PostgreSQL**.
- Developed a Telegram bot, broadcasting to **100K+ learners**. Website built using **ViteJS** and **Hygraph** with **Cloudinary** for content management, and **Cheerio** for scraping. Handled **35M+ requests** from May to September 2023.

ACHIEVEMENTS & LEADERSHIP

Runner Up at Hackfest 2024 Hackathon   **April 2024**
36-Hour National Level Hackathon organised by EGDK India and Niveus Solutions.

Special Mention Winner at Electhon 2023 Hackathon   **April 2023**
A 30-Hour National Level Hackathon organised by HacktoSkill in association with the **Election Commission of India**.

Shunya: Official Math Club of PES University - Deputy Club Head   **May 2023**
Led club operations, coordinated events, strategized with members to achieve objectives and managed finances and sponsorships.

Github Track Winner at Centuriton 2022 Hackathon   **November 2022**
A 36-hour national-level Hackathon organized by Ramaiah Institute of Technology

PERSONAL INFORMATION

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