

# SHANUKUMAR RAMNIVAS SINGH

Software Developer | Full Stack | Android | AI/ML | Cloud & DevOps

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## SUMMARY

Results-driven **Software Developer** experienced across **Full Stack Web, Mobile App, and AI/ML** ecosystems. Proficient in building and deploying scalable, cloud-native applications using **Flutter, React, Node.js, Python, and AWS**. Adept at integrating **AI models, REST APIs, and automation pipelines** into real-world solutions that enhance **efficiency, decision-making, and user experience**. Passionate about leveraging technology to solve business and social impact challenges.

## EXPERIENCE

### Software Developer | Advance Mobility Pvt. Ltd

Feb 2025 - Present

A company provides eco-friendly, tech-driven fleet management and ride-sharing services.

- Engineered AI-driven web and mobile solutions using **Flutter, Next.js, and Python**, improving workflow efficiency by **40%**.
- Optimized **Nest.js** and **PostgreSQL** backend architecture, reducing API response time and improving scalability.
- Implemented **Dockerized microservices** and **CI/CD** pipelines (GitHub Actions) to streamline cloud deployments on **AWS**.

### Software Developer | Shrameco Pvt. Ltd

Jul 2024 - Feb 2025

A company provides innovative IT and software services to help businesses enhance digital efficiency.

- Developed data-driven dashboards and analytics systems supporting CSR initiatives impacting **10 million+ users**.
- Built and deployed secure APIs and real-time data pipelines with **Node.js** and **MongoDB** for survey-based platforms.
- Collaborated with cross-functional teams to enhance data accuracy, automation, and decision-making efficiency by 40%.

### Flutter Developer | Naayatrade Pvt. Ltd

Apr 2024 - Jul 2024

Its a Mumbai based multi-category e-commerce platform connecting Indian manufacturers and global buyers.

- Enhanced a cross-platform e-commerce application handling **2,000 daily transactions** with secure payment integrations.
- Built and maintained admin dashboards (**Next.js + Flutter**), improving order tracking and processing speed by **40%**.
- Automated release workflows using **CI/CD pipelines**, reducing deployment time by **70%** and increasing reliability.

### Software Developer Intern | Filament AI

Apr 2023 – Dec 2023

An AI startup focusing on enterprise-grade safety platforms for industrial operations and infrastructure.

- Designed and deployed **YOLOv8** based computer vision models achieving **95%** detection accuracy on live CCTV feeds.
- Integrated AI pipelines and interactive dashboards with **modern UI/UX**, boosting client engagement by **45%**.
- Assisted in developing scalable, cloud-native analytics services using **AWS and Python** for real-time monitoring.

## PROJECTS

### AI Model for Fire, Safety, and Intrusion Detection

AI Model designed for advanced detection in various scenarios

- Enhanced AI models for **real-time detection** using Python, Next.js, and AWS, enabling **scalable and efficient data processing** for production environments.
- Architected the **core infrastructure** for Filament AI's analytics services, ensuring **high availability, robust security, and seamless scalability**.

### E-Commerce B2B Mobile App

E-commerce application providing a secure and efficient shopping experience

- Developed and deployed a **Flutter-based e-commerce platform** with a Node.js and MongoDB backend, integrating **real-time order tracking, payment gateways, and authentication systems**.
- Scaled to **2,000 global users** with secure APIs, encrypted data handling, and **99.9% uptime**.

### Advance Mobility Platform

Platform for enhancing operations of fleet and driver management

- Assembled an **in-house fleet automation platform** (dashboard + mobile app) using Next.js, Nest.js, PostgreSQL, and Flutter, **automating driver/vendor operations** and improving **logistics efficiency by 35%**.

## EDUCATIONS

### B.Sc. Information Technology

2021 - 2024

Thakur College of Science and Commerce **CGPA : 8.86/10**

### HSC

2019 - 2021

Thakur Vidya Mandir High School & Junior College **Pecentage : 68%**

## SKILLS

Programming Languages: **Python, Java, C / C++, Kotlin, JavaScript, TypeScript, SQL,**

Frontend Development: **React.JS, Next.js, Redux, Ninja2 Figma, Tailwind CSS, Bootstrap**

Backend Development: **Node.js, Prisma, Express.js, Flask, FastAPI, Django, NestJS**

Mobile Development: **Flutter, Kotlin, Java**

Databases: **PostgreSQL, MongoDB, Redis, SQLite**

Cloud & DevOps: **Amazon Web Services (AWS), Docker, Google Firebase, Git, GitHub, GitHub Actions**

AI / ML & Automation: **Computer Vision, NLP, YOLOv8, Selenium, Data Pipelines**

Soft Skills : **Problem Solving, Communication, Team Collaboration, Time Management, Leadership, Attention to Detail, Critical Thinking**

## CERTIFICATIONS

[Flutter for Android & IOS Application \(Udemy\)](#)

[Full Stack Web App with Next.js \(Udemy\)](#)

[Machine Learning Models \(Kaggle\)](#)

[Computer Vision with Python \(Kaggle\)](#)

[Django Backend Development \(Udemy\)](#)

[Sentiment Analysis with NLP \(Udemy\)](#)

## PUBLICATIONS

[AI-Driven Plant Disease Detection: Leveraging Deep Learning for Accurate Plant Disease Detection from Leaf Images](#)

[The Influence of Entertainment consumption on Student well-being: An Exploration of preferences, motivations and stress relief](#)

Formulated **YOLOv8**-based model achieving **100% accuracy** on healthy leaves and strong performance on six common diseases.

Applied **K-Modes and GMM** using python to **analyze stress patterns** and create mental health guidelines.

[A Comprehensive Study On Data Privacy Awareness In Diverse Indian Sectors](#)

[Balancing Act: Assessing the Impact of AI Tools on Active Learning in IT Practical Labs](#)

Analyzed **1,400+ surveys** to identify awareness gaps and propose national privacy literacy guidelines.

Conducted mixed-method survey study on (561+ students) using python to perform **K-Means & DBSCAN** to assess **AI dependency** and learning outcomes.