

Sahil M. Yadav

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SUMMARY

Full Stack Developer skilled in MERN, Java, Spring Boot, Flutter, and AWS-based AI/ML integration. Graduated with a B.Tech in Computer Science from KDK College of Engineering (2025). Completed internships with EY GDS, Shell, AWS Academy, and CSM IT, gaining hands-on experience in web/app development, cloud, and data analytics. Proficient in REST APIs, UI/UX design, SQL/NoSQL, and agile workflows. Seeking a full-time role in software development.

TECHNICAL SKILLS

Programming Languages: Java, C, C++, Python.

Web Development: React.js, HTML, CSS, JavaScript, MERN (MongoDB, Express, Node.js), Flask, Spring Boot

Mobile App Development: Flutter, Dart, Firebase.

Databases: MongoDB, SQL, NoSQL.

Tools & Platforms: GitHub, Postman, VS Code, Linux, Git, AWS, XMRig (Monero Mining)

EDUCATION

B.Tech in Computer Science Engineering

KDK College of Engineering, Nagpur

CGPA: 7.83, Graduation: 2025

Higher Secondary Certificate (HSC)

Vijay Nimbalkar Jr. College

Percentage: 89.8%, Year: 2021

INTERNSHIP / EXPERIENCE

AI & Data Analytics Intern

SHELL | April 2025

- Worked on real-world sustainability datasets using Python in Google Colab, performing regression and clustering to analyze patterns in carbon emissions and pollution trends.
- Developed an interactive data visualization dashboard using Matplotlib and Seaborn, simplifying the interpretation of complex environmental metrics for stakeholders.
- Collaborated on an AI-based forecasting model aligned with UN Sustainable Development Goals (SDGs), assisting in data cleaning, model evaluation, and trend prediction.

Full Stack Web Development Intern

EY GDS | Dec 2024 - Jan 2025

- Developed and deployed full-stack web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js), focusing on scalability, modular architecture, and responsive design.
- Applied AI tools in web development workflows, enhancing automation and improving performance through intelligent components and dynamic data rendering.
- Followed UI/UX best practices to design intuitive user interfaces and improve accessibility, ensuring a seamless user experience across devices.

AWS Academy Graduate

AI-ML INTERNSHIP | May - July 2023

- Completed hands-on training in machine learning using AWS cloud services, applying supervised and unsupervised learning techniques.
- Learned setup and working of Amazon EC2 using the free trial from AWS.
- Explored supervised and unsupervised learning algorithms, including regression, classification and clustering

Salesforce Admin

CSM IT INTERNSHIP | March - May 2023

- User Management: Created and managed user accounts, roles, profiles and permissions for a user base of 5 users.
- Implemented an automated email verification system, reducing manual verification workload by 40%.

PROJECTS

News Feed App - (Flutter, Dart, REST API, SQL)

<https://github.com/sahilmyadav/newsapp-flutter>

- Developed a real-time news aggregation app using Flutter and Dart, integrating NewsAPI.org to fetch breaking news, with backend storage via SQL for bookmarking and offline reading.
- Designed a reels-style vertical scroll interface for immersive article browsing, applying UI/UX best practices to create a fast, responsive and user-friendly experience.

Travel Website - (MongoDB, Express.js, React, Node.js)

<https://github.com/sahilmyadav/travel-website-mern-stack>

- Built a secure, full-stack travel planning platform with JWT-based authentication, role-based access control, and an admin dashboard for managing users, trips, and bookings.
- Integrated advanced search, filter, and real-time booking features with a fully responsive React UI, delivering a seamless user experience across all devices.

Forest Fire Detection System - (Python, TensorFlow, OpenCV)

<https://github.com/sahilmyadav/firedetection-Ai>

- Built a deep learning model using CNN architecture to detect forest fires from satellite and thermal images, achieving 92% accuracy through extensive preprocessing and training in Google Colab.
- Applied image classification, data augmentation, and real-time image analysis using OpenCV, enhancing early detection capabilities for wildfire risk management.
- Monero Cryptocurrency Mining Project** - (XMRig)
- Configured and managed a high-efficiency mining operation using XMRig software on optimized hardware, leveraging blockchain protocols and RandomX algorithm to achieve consistent hashrates for Monero (XMR) extraction over 7-8 months.
- Mined 4 Monero coins valued at approximately 1.16 lakh INR (as of July 2025), showcasing expertise in cryptocurrency mining, resource allocation, performance optimization, and secure wallet management while adhering to energy-efficient practices.

ACHIEVEMENTS

- Full-Stack Web Development Intern – EY GDS & AICTE (2024, 6 weeks).
- AI & Data Analytics Virtual Internship – AICTE & Shell India (April 2025, 4 weeks).
- AI-ML Virtual Internship – AWS Academy (May–July 2023, 10 weeks).
- Salesforce Admin – CSM IT Services (May 2023, 1.5 months).
- AWS Cloud Foundations – AWS Academy (June 2023, 20 hours).

RESEARCH PAPERS

- Developed "News Feed App" (Flutter, Dart, NewsAPI.org, SQL): Built a real-time news app with a reels-style UI, optimized for UX; presented at SPARK National Conference 2024, showcasing innovation.