

Shantanu Naithani

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SUMMARY

Software Developer with a B.Tech in ECE and hands-on experience in the MERN stack, Python, SQL, Docker, and Redis. Skilled in developing scalable, secure, and high-performance applications. Strong team collaborator with experience working in Agile environments, optimizing APIs, and enhancing system performance across full-stack architectures.

Technologies

Languages: C++, Python, Java, JavaScript

Frameworks & Libraries: React.js, Node.js, Express.js, MongoDB, Django, Flask, HTML, CSS

Databases: MongoDB, MySQL, Microsoft SQL Server

Tools & Platforms: Git, GitHub, Docker, Kubernetes, Postman, Visual Studio, VS Code

Other: Apache Spark, REST APIs, Authentication & Authorization, JWT

Education

ABES Engineering College

Sep 2024

B.Tech in Electronics & Communication

Experience

Software Developer

New Delhi, Delhi

Trident Techlabs LTD.

Oct 2024 - Present

- Built and maintained full-stack applications with React.js, Django, and Flask, optimizing APIs and UI to boost performance and user engagement by 30%.
- Automated and stabilized deployments through Docker-based containerization within Agile teams, enhancing CI/CD workflows and boosting code quality by 20% through debugging, testing, and peer reviews.
- Strengthened system scalability and reliability by monitoring bottlenecks, integrating caching layers, and collaborating with crossfunctional teams to ensure secure, high-performance delivery.

Software Developer Intern

Remote

Syntecsys PVT. LTD. Now RoSSaRah Services

Feb 2024 - Sep 2024

- Developed and maintained a network analysis system, using React.js, Django, and Flask, Kubernetes and Apache Spark improving data processing speed by 40% through optimized backend architecture.
- Implemented real-time data visualization and analytics, reducing troubleshooting time for network issues by 30%.
- Optimized database queries and indexing, reducing database latency by 50% and improving data retrieval efficiency.

Projects

T Labs Net Analysis

In-House Project

- Developed and maintained a network analysis system using React.js, Django, and Flask, improving data processing speed by 40% through backend optimizations.
- Implemented real-time data visualization and analytics, reducing troubleshooting time for network issues by 30%.
- Optimized database queries and indexing, reducing latency by 50% and enhancing data retrieval efficiency.

Covid-19 Safety Protocol Measuring System (CSPM)

LINK

- Built an AI + IoT-based COVID-19 safety monitoring system using TensorFlow, Raspberry Pi, and Arduino for real-time compliance tracking.
- Integrated face-mask detection and vital-sign monitoring, reducing manual verification by 80% and increasing entry efficiency.
- Improved ML model performance and sensor accuracy, reducing false detection rates by 25%.

Podstream

LINK

- Built a full-stack podcast streaming app using the MERN stack, reducing average load times by 35% through optimized API and UI rendering.
- Implemented secure JWT-based authentication and recommendation features, boosting user retention by 25%.
- Deployed on AWS/Heroku/Vercel, ensuring scalability and stable uptime for 1000+ concurrent users.