Shantanu Naithani

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SUMMARY

Software Developer with a B.Tech in ECE, skilled in the MERN stack, APIs, SQL, and Python, with hands-on experience in Docker and Redis. Proficient in building scalable applications and collaborating within Agile teams to deliver secure, high-performance solutions.

Technologies

Languages: C++, Python, Java, Javascript

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

Databases: MongoDB, SQL (MySQL/ Microsoft SQL Server Management Studio)

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

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

Education

ABES Engineering College   *Aug 2019 – 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, Kubernates 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.