

# SHANTNU

[shantnu04@gmail.com](mailto:shantnu04@gmail.com) | 9868250127 | Delhi, India | [Github](#) | [Linkedin](#) | [Portfolio](#)

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## SUMMARY

Highly motivated and results-oriented Full Stack Developer with 3 years of experience in designing, developing, and deploying scalable and secure web applications. Proficient in Node.js, Express.js, PHP and database management systems including MySQL, Microsoft SQL Server, and PostgreSQL with NextJS and ReactJS as frontend frameworks. Proven ability to optimize backend performance, implement RESTful APIs, and collaborate effectively within agile development environments.

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## SKILLS

<b>Backend Development :</b>	Node.js, Express.js, PHP, RESTful APIs, Microservices Architecture, Server-Side Logic, Asynchronous Programming
<b>Databases :</b>	MySQL, Microsoft SQL Server, PostgreSQL, Database Design, SQL Query Optimization, Database Migrations, NoSQL Databases (MongoDB), SQLite, Redis
<b>Cloud Technologies :</b>	AWS (Amazon Web Services), Google Cloud Platform (GCP), Docker
<b>Scripting Languages :</b>	Python, Bash Scripting
<b>Frontend :</b>	HTML, CSS, JavaScript, ReactJS, NextJS, Bootstrap, Tailwind CSS
<b>DevOps :</b>	Git, CI/CD (Continuous Integration/Continuous Deployment), Ubuntu Server, Bare Metal Deployment
<b>Security :</b>	JWT (JSON Web Token), Authentication, Authorization
<b>Soft Skills :</b>	Problem-solving, Critical Thinking, Communication, Teamwork, Time Management, Attention to Detail

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## EXPERIENCE

- Sr. Software Developer | INFLIBNET Centre | New Delhi | September 2024 – Present
- Developed and maintained large-scale applications leveraging Express.js (backend), Next.js (frontend), and Microsoft SQL Server, serving 1000+ users and resulting in a 15% reduction in page load times.
  - Designed and deployed a secure, multi-platform API utilizing JWT-based authentication and a microservices architecture on Azure, enabling seamless integration across multiple services and improving data security by reducing unauthorized access attempts by 20%.
  - Collaborated with cross-functional teams to deliver features and enhancements for a high-traffic application, optimizing server-side logic and client-side performance, leading to a 30% decrease in API response time.
  - Reduced server costs by 28% by using real-time metrics from Azure Monitor and improved API performance by 50% by implementing caching and other optimizations.
  - Actively contributed to team meetings, providing updates on deadlines, designs, and enhancements, consistently delivering projects on time and within budget, resulting in a 95% on-time project delivery rate.
- IT Consultant | AICTE, Ministry of Education | New Delhi | December 2021 - August 2024
- Consulted with engineering team members to determine system loads and develop improvement plans, resulting in a 15% reduction in server load.
  - Designed, improved, and implemented a dashboard in PHP and MySQL, streamlining overall management and offering ease of use with export and import functionality, used by 200+ users.
  - Contributed actively to team meetings, providing updates on deadlines, designs, and enhancements, ensuring projects were completed on time and within budget.
  - Documented software development methodologies in technical manuals using flowcharts, improving onboarding time for new IT personnel.
  - Developed a portal featuring a unique pointing system based on user performance and a leader board to determine overall user performance.
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## EDUCATION

**Bachelor of Technology (Electronics and Communication Engineering)** | JSS Academy of Technical Education (affiliated to Dr. A. P. J. Abdul Kalam Technical University, Lucknow) | 1st Division  
2017 – 2021 | 64 %  
**12th** | **PCM** | Prabhu Dayal Public School, Delhi | CBSE | 2017 | 69%  
**10th** | Prabhu Dayal Public School, Delhi | CBSE | 2015 | 7.4 CGPA

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## PERSONAL PROJECTS

- [\*\*Blogging Website \(MERN Stack\)\*\*](#): Developed a full-stack blogging website using MongoDB, Express.js, Next.js, Node.js, and Tailwind CSS. Implemented an admin dashboard with secure authentication middleware to manage blog posts (CRUD operations) via protected routes.
  - [\*\*Movies List Application \(Next.js & MongoDB\)\*\*](#): Created an open-source movie listing application using Next.js for both frontend and backend, with data stored in MongoDB. Features an admin dashboard with authentication and protected routes for managing movie data fetched from the IMDB API.
  - [\*\*Sudoku\*\*](#): Developed an open-source Sudoku game using vanilla JavaScript and CSS. The application features real-time input validation, dynamic puzzle generation, and a one-click solution.
  - [\*\*Online Code Editor \(HTML, CSS, JS\)\*\*](#): Designed and implemented a web-based HTML, CSS, and JavaScript code editor, enabling users to write and execute code directly within the browser and hosted on Vercel.
  - [\*\*Minify Code\*\*](#): Created a website to reduce code size by removing whitespace and unnecessary characters.
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## CERTIFICATIONS

- Google Analytics for Power Users
- Google Web Designer Basics
- Google Tag Manager Fundamentals
- Advanced Google Analytics
- Getting Started With Google Analytics 360
- Introduction to Data Studio
- Basics of Java
- React JS from Great Learning
- PHP from Great Learning