AVINASH KUMAR JHA

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WORK EXPERIENCE

Silversky technology - Trainee Software Engineer   Feb - July 2025

- Built high-performance **RESTful APIs** (Laravel/Node.js) — reduced response time by 30% and improved frontend-backend integration.
- Integrated JWT-based user authentication and granular permission management, strengthening application security and streamlining the onboarding workflow.
- Conducted code reviews and applied best practices, reducing post-deployment bugs by 15%.
- Consistently delivered backend solutions on time across multiple Agile sprints for client projects.

SKILLS

Languages:	C, C++, Python, Java, JavaScript, PHP, SQL, HTML, CSS
Frameworks & Libraries:	Laravel, Node.js, Express.js, React.js, Next.js
Databases:	MySQL, MongoDB
Tools & Platforms:	Git, GitHub, Postman, VS Code

EDUCATION

Bachelor of Engineering in Information Technology   2021 - 2025
University Institute of Technology, The University of Burdwan
CGPA: 8.32

Higher Secondary (XII), BSEB   2021
Percentage: 77.4%

PROJECTS

eLearning Platform   May 2025

- Ensured zero security breaches by implementing JWT authentication and role-based access control to protect sensitive user data.
- Developed and refined 10+ RESTful CRUD APIs for course content management, achieving a 35% reduction in API response time and enhancing content delivery efficiency.

Real-Time Chat Application   April 2025

- Integrated Socket.IO for low -latency messaging, achieving sub-100ms delivery speed under high traffic conditions.
- Optimized database writes and indexing in MongoDB, improving message retrieval performance and reducing server load by 25%.

CERTIFICATIONS / RELEVANT WORK

- **Solved 400+ Data Structures and Algorithms (DSA)** problems on platforms like GeeksforGeeks, CodeChef (rating: 1603), and Codeforces (rating: 1183).
- **Secured Global Rank 184** in Starters 118 Division 3 on CodeChef and **Achieved Global Rank 96** in CP Potpourri at Shaastra 2024.