

JENISH KUMAR

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Education

Techno International, Newtown, Maulana Abul Kalam Azad University of Technology, West Bengal, India	2021-2025
➤ B.Tech. - Computer Science Engineering CGPA: 7.59	
S.P.M College	2020-2021
➤ Science -PCM BSEB (Class XII)	
D.A.V Public School	2018-2019
➤ C B S E (Class X)	

Skills

HTML | CSS | JAVASCRIPT | Bootstrap | C | SQL | React JS | Node JS | Express JS | MongoDB | JAVA | Spring Boot

Experience

Software Developer at Zircog Technologies Aug'25 - Present

- Designed and consumed RESTful APIs for seamless front-end and back-end integration.
- Collaborated with cross-functional teams to deliver projects within deadlines and improve code performance.
- Wrote clean, optimized, and reusable code following best software development practices.
- Worked with MongoDB and SQL databases for CRUD operations and data management.
- Implemented authentication and authorization using Node.js and JWT for secure user access.
- Participated in code reviews, testing, and deployment to ensure product quality and reliability.
- Utilized Git and GitHub for version control and project collaboration.

Web development at CodeClause July'23-Aug'23

- Developed and deployed web applications using HTML, CSS, JavaScript, and PHP, building three minor projects during the internship.
- Collaborated with a team of developers to ensure responsive and functional designs.
- Enhanced frontend/backend development, team collaboration, and deadline management skills.

Projects

Email Sending Service REST API	Oct'25-Nov'25
Tech Stack: Java, Spring Boot, Jakarta Mail (JavaMail API), PostgreSQL, RabbitMQ, RESTful APIs, React.js, Tailwind CSS, React Router, React Context API, JWT Authentication, Docker, AWS	
➤ Developed a production-grade email sending and notification microservice using Java Spring Boot, exposing RESTful endpoints for sending plain text, HTML, and attachment-based emails.	
➤ Integrated Jakarta Mail API for secure SMTP communication (Gmail/Custom Mail Server) and RabbitMQ for asynchronous, queue-based email delivery.	
➤ Implemented email logging and status tracking in PostgreSQL with retry and error-handling mechanisms for reliability.	
➤ Designed a modular architecture enabling scalability, high throughput, and easy integration with third-party systems or enterprise platforms.	
➤ Containerized and deployed the service using Docker, with optional AWS EC2 integration for cloud-ready deployment and scaling.	
➤ Added support for template-based emails and future enhancements such as React-based monitoring dashboards, analytics, and rate-limiting.	
GitHub Link	
Smart OPD & Resource Allocation Platform	Feb'25-June'25
Tech Stack: React.js, Node.js, Express.js, MongoDB, JWT, RESTful APIs	
➤ Developed a modular, full-stack hospital management platform addressing OPD queuing models, real-time bed tracking, patient admission, and inventory control.	
➤ Implemented role-based access control (Admin, Doctor, Patient, Staff) with secure JWT-based authentication and dynamic dashboards.	
➤ Integrated inventory management with automated alerts for medicine shortages and prescription generation.	
➤ Designed RESTful APIs and ensured scalability for future integration with city-wide healthcare networks, third-party apps, and predictive analytics modules.	
➤ Deployed on cloud-ready architecture (AWS/Azure compatible), laying the groundwork for telemedicine and IoT extensions.	
GitHub Link	

Proctored Exam Tool For National And International Level Hackathons

Sept'23-Dec'23

Tech Stack: Python, OpenCV, Rust, Azure Databricks

- Led the development of a Secure Online Proctoring System for large-scale remote examinations.
- Implemented robust remote monitoring with Python and OpenCV, including webcam and screensharing.
- Ensured scalability and performance with Azure Databricks for large-scale exams.
- Conducted testing, debugging, and troubleshooting in both development and staging environments.
- Designed a user-friendly interface, supported compatibility, and provided comprehensive analytics for data-driven decisions.

[GitHub Link](#)

Certificates

Oracle Certified Professional

- Earned the Oracle-Certified Professional credential in Oracle Cloud Database Services 2025, demonstrating proficiency in provisioning, managing and optimizing cloud database solutions.
- Recognized by Oracle University for advanced skills in cloud database deployment and operations, achieving certification

[Link](#)

TCS iON Career Edge – Young Professional

- Completed the TCS iON Career Edge – Young Professional program by Tata Consultancy Services in 2025, demonstrating proficiency in essential workplace and professional development skills.
- Acquired competencies in communication, presentation, soft skills, career planning, resume writing, group discussion, and interview techniques.
- Gained practical knowledge in business etiquette, effective email and telephone communication, accounting fundamentals, IT foundations, and an overview of artificial intelligence.

[Link](#)

Soft Skills

Leadership • Communication • Management skills • Adaptability • Problem Solving • Time Management

Interests

Photography • Music • Technology • Poetry • Sports

Academic and Extracurricular Achievements

- Solution Challenge Intra College Hackathon 2023 Runner up
- Top 20 in Kavach 2023 internal hackathon
- Qualified in SIH 2023 Internal hackathon

Positions of Responsibility

- Core Member of Photography Club of TINT
- Member of Coding Club of Tint
- Organized SCINTILIA (Science Exhibition)
- Hosted a workshop named SCRATCH for beginners