Saransh Sharma

📱 +91 9211405795 | ✉ officialsaransh.sharma1919@gmail.com | 🔗 linkedin.com/in/-saranshsharma | ⊙ github.com/SaranshSharma19

Education

ABES Engineering College Institutions **2020 – 2024**
Bachelor of Technology in Computer Science and Engineering (Data Science) *CGPA: 7.7*
KDB Public School **2019 – 2020**
Higher Secondary *Percentage: 89.6%*

Work Experience

Impressico Business Solutions **Noida**
Trainee Engineer *August 2024 – Present*
- **Tech Stack:** Node.js, MongoDB, Express, React, Postman, Docker, GitHub
- Designed and implemented RESTful APIs with efficient database queries, improving response times by 30%
- Implemented browser caching strategies and compressed static assets to minimize bandwidth usage
- Developed responsive web applications using React for frontend and Node.js/Express for backend services
- Optimized application performance by implementing code splitting and lazy loading, reducing load time by 40%
- Enhanced frontend rendering speed through React memo and useMemo hooks for component optimization
- Utilized Docker containers for consistent and rapid development environment setup
- Performed database indexing in MongoDB to accelerate query execution and data retrieval

Impressico Business Solutions **Noida**
Intern *February 2024 – August 2024*
- **Tech Stack:** Docker, Node.js, React, Generative AI, AWS, Jenkins
- Completed hands-on training sessions focused on modern web development practices and cloud technologies.
- Gained practical experience in deploying applications using Docker, Jenkins, and AWS services.

Technical Skills

Programming Python - Django, Node.js, React, JavaScript   **DevOps** AWS, Jenkins, Docker
Databases MySQL, MongoDB, PostgreSQL, Redis   **Libraries/Tools** Numpy, Pandas, GitHub, Postman

Projects

AIMSPlus - Warehouse Management System
- **Tech Stack:** Python (Django), PostgreSQL, React.js
- Developed dynamic and scalable RESTful APIs using Django to handle warehouse workflows with minimal latency.
- Designed and optimized normalized database schemas in PostgreSQL for efficient storage and faster query performance.
- Built reusable and modular React.js components for real-time dashboards, user management, and workflow configurations.
- Optimized API communication between backend and frontend by implementing caching strategies, minimizing redundant calls, and reducing overall load time.
- Implemented authentication, authorization, and role-based access control (RBAC) to manage different user and account permissions securely.

Food App Platform *Link*
- **Tech Stack:** Node.js, Express.js, MongoDB, JWT, Nodemailer, Multer
- Developed a full-stack food application enabling user registration and login with OTP verification via email, enhancing security and user experience.
- Implemented JWT-based authentication for secure session management and protected routes.
- Utilized Nodemailer for sending OTPs to users' email addresses during the registration and login processes.
- Integrated Multer middleware to handle image uploads, allowing users to upload profile pictures and food item images.
- Structured the application with a modular architecture, separating concerns across controllers, services, and routes to enhance maintainability and scalability.

Achievements

- **Research Paper Publication:** Published a research paper titled *Brain Tumour Detection Using Deep Learning Technique*. Available at: *Link to Publication*.

Certifications

- **PCAP: Programming Essentials in Python**
- **AWS Cloud Practitioner Essentials**
- **Introduction to Data Science and Machine learning A-Z**
- **TCS iON Career Edge - Young Professional**