SHIVANI YADAV

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Education

Babu Banarasi Das University   **Sep 2022 – May 2026**

Bachelor of Technology (CSE); GPA: 8.45 (Till 7th Semester)

Lucknow, India

Experience

Certificate

Oasis Infobyte   **Aug 2025 – Sep 2025**

Software Engineer Intern (Remote)
− Collaborated with a team of developers to design, develop, and test web-based applications using technologies such as e.g., JavaScript, React, Node.js, Next.js, etc.
− Debugged and optimized code for performance and scalability.
− Contributed to writing clean, maintainable, and efficient code following industry best practices.
− Gained hands-on experience with Git for version control and collaboration.

Projects

Air Quality Visualizer & Forecast App | *Leaflet.js, OpenStreetMap,* Live Demo

− Developed a real-time AQI visualization website for rural and urban areas using satellite and sensor data.
− Implemented predictive AQI forecasting for 24–72 hours using machine learning models.
− Integrated health advisory alerts and historical AQI trend visualization by geolocation.

Accidental and Emergency Services | *React.js,Python, API,AWS, Google Cloud etc.*Live Demo

− Developed an automatic Smart Web Applications for Accidental and Emergency Situation.
− Developed an automated smart web application to detect and manage accidental and emergency situations in real time.
− The system integrates sensors, location tracking, and a web dashboard to alert nearby hospitals, emergency services, and contacts also features real-time location mapping, automated alert generation, and a user-friendly interface for reporting and monitoring emergencies.

QR Code-based Smart Voting System | *Java, Android Studio*Live Demo   **June 2024**

− Designed and developed a secure, automated voter verification system to streamline the voting process.
− Created a QR Code-based Digital Voting Pass for secure and transparent elections.

Technical Skills

Programming Languages: Python, Java, C, C++, JavaScript, SQL
Developer Tools: VS Code, Git, GitHub, GitLab, Postman, Google Cloud Platform, Vercel, Netlify, Figma
Web Development and Database: Next.js, React.js, MongoDB, Nodejs, Express.js.
Backend Technologies: REST APIs, FastAPI, JWT Authentication.
SOFT SKILLS: Leadership, Organizing, Communication, Public Speaking, Time Management

Achievements

• Successfully completed Soft Skill Training by Learnovate Enterprises (Nov 2024 – Mar 2025). Certificate
• Published Research Paper at IEEE iConSCEPT 2025 titled "A Real-Time Web Application for Autonomous Accident Detection and Emergency Response Coordination" focusing on AI-driven emergency automation Certificate
• Participated in **GDG on Campus Solution Challenge**. Certificate
• Certified for outstanding performance in major and minor projects during internship. Certificate
• Earned **Microsoft Certified: Azure Data Scientist Associate** , credentialed by Microsoft Azure. Certificate

Leadership / Extracurricular

• Volunteered over 6 months in the **National Service Scheme (NSS)**, contributing to community initiatives.
• Led a team in multiple hackathons organized by **ISRO** and **Adobe**, focusing on real-world solutions. ISRO, Adobe
• Participated in a prestigious **BBD University competition**. Certificate
• Earned Certificate of Participation at NextGen Hackathon 2025 organized by ACM Fremont Chapter for innovative project collaboration. Certificate