

SAHANA NADAGOUDA

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PROFESSIONAL SUMMARY

Ambitious and detail-oriented Software Engineer with a solid foundation in Java, Full Stack Web Development, and Frontend Engineering. Skilled in designing and deploying responsive, data-driven applications with clean, scalable code. Experienced in Agile development, API integration, and database management. Passionate about solving complex problems, enhancing performance, and delivering user-centric software solutions.

EDUCATION

Bachelor of Engineering (B.E.) – Computer Science

2024

Visvesvaraya Technological University

S.G. Balekundri Institute of Technology, Belagavi

AREAS OF EXPERTISE

- Languages:** Java, JavaScript, HTML, CSS,
- Back-End & Databases:** SQL, PHP, REST API Integration, XAMPP
- Tools & Platforms:** Git, GitHub, Power BI, Eclipse, VS Code
- Software Development Concepts:** SDLC, OOPs, Debugging, Unit Testing, Agile Methodology
- Other Skills:** Power BI (Data Visualization), Clean Code Practices, System Scalability Optimization

PROJECTS

Automated Online Agro-Culture System (Apr 2023)

- Developed a PHP/MySQL-based full-stack application enabling 100+ farmers to engage in seamless online transactions (Web Development, Database Management, Front-End Development)
- Configured and maintained a reliable local server using XAMPP, simulating client-server communication and improving test efficiency

Indian Currency Authentication System (Jun 2023 – Dec 2024)

- Engineered an image-processing ML pipeline using Python and OpenCV to detect counterfeit currency with 70%+ accuracy, processing over 10 features per note (Automation, Clean Code, Debugging)
- Authored and published research in a peer-reviewed international journal, showcasing technical writing and domain knowledge in system design and algorithms

PROFESSIONAL EXPERIENCE

- Power BI & SQL Intern – JSpiders, Bangalore (Jan 2024 – Apr 2024)
- Designed and deployed 5+ interactive dashboards with Power BI, enhancing visibility and reducing reporting time by 20% (Data Visualization, Data Analytics)
- Optimized complex SQL queries to enhance response performance by 30%, improving system scalability and user experience (Database Optimization, Software Performance)

KEY ACHIEVEMENTS

- Microsoft Power BI Data Analyst Associate**
- Java Full Stack Development – JSpiders, Bangalore**