SHAMBHAVI ARVIND SHUKLA

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EDUCATION

Master of Science, Computer Science, *Indiana University - Bloomington* **| GPA: 3.8/4.00**   **Aug 2022 - May 2024**
Coursework: Algorithms, Advanced Database Concepts and Design, Data Mining and Visualization, Cloud Computing.

Bachelor of Engineering, Computer Engineering, *University of Mumbai* **| GPA: 8.23/10.0**   **Jul 2016 - Oct 2020**
Coursework: Object Oriented Programming, Big Data Analysis, Machine Learning, Operating Systems, Distributed Computing.

TECHNICAL SKILLS

Programming Languages	C, C++, Python, JavaScript, Java, Bash, SQL, PL/SQL
Frontend	HTML5, CSS3, Bootstrap, ReactJS, Redux, Vite
Backend	NodeJS, ExpressJS, Django, Flask, Spring Boot
Databases	Oracle 19c, PostgreSQL, MySQL, MongoDB
Miscellaneous	Informatica PowerCenter, SAS Visual Analytics, Power BI, Docker, AWS, Git, JIRA, Postman

WORK EXPERIENCE

Software Engineer | Hoosier Community Network   **May 2024 - Present**
- Embedded Tableau dashboards for real-time insights on 500+ volunteers, improving project management efficiency by 30% and enhancing data security through user authentication.
- Engineered Node.js/Express.js backend managing 2K+ profiles across 20+ projects, optimizing SQL algorithms for 50% faster user-project matching.

Graduate Associate Instructor | Indiana University Bloomington   **Aug 2023 - May 2024**
- Led 4 Agile full-stack projects, achieving 15% faster sprint velocity and enhancing team collaboration.
- Collaborated with faculty to conduct 30+ problem-solving sessions for 300+ students, providing personalized help and training on Django, MERN, Spring Boot, Docker, CI/CD, and GitHub Actions.

Software Engineer | Tech Mahindra   **Aug 2021 - Jul 2022**
- Implemented CRM system for India's largest bank, creating and managing 92% of workflows and automating 98% of tasks in UAT/production using Linux shell scripts.
- Optimized PL/SQL queries for 50+ requests, reducing report generation time by 40%, and debugged 140+ ETL workflows, improving data accuracy by 95%.
- Led ETL pipeline to process 100M+ daily records from diverse sources into data warehouse, CRM, and SAS databases, reducing data processing time by 30% and improving data integration accuracy by 25%.
- Developed 20+ financial dashboards with SAS team, enhancing risk assessment accuracy by 20% for over 1,000 corporate clients and decreasing high-risk exposures by 15% for a $765 billion institution.

Software Engineer | CNC Web Technologies Pvt Ltd   **Nov 2020 - Aug 2021**
- Engineered high-performance React components and RESTful API endpoints, driving 35% surge in user engagement & slashing system errors by 20%.
- Implemented robust API testing protocols using Postman, identifying 20% pre-deployment issues & system stability by 30%.

Web Developer Intern | Entrepreneur Network Cell   **Aug 2017 - Apr 2018**
- Designed Django website with event details, registration, and feedback features, boosting event outreach by 60%.
- Conducted workshops and seminars to upskill 200+ female students, resulting in a 25% increase in job placements.

PROJECTS

Netflix Database Application | *PostgreSQL, HTML5, CSS3, Bootstrap, Flask, Git*   **Mar 2024 - Apr 2024**
- Engineered data-driven app to explore 10,000+ Netflix entries, incorporating data cleaning and leveraging PostgreSQL.
- Boosted app performance by 30% and cut user query response times by 40% through efficient CRUD API implementation.

Wellness Tracking System | *PostgreSQL, HTML5, CSS3, Bootstrap, Django, Git, Docker, JIRA*   **Jan 2023 - Apr 2023**
- Developed wellness app with personalized plans integrating search functionality, Google Auth 2FA, and chat feature.
- Enhanced scalability with Docker, achieving a 35% reduction in configuration time and faster deployment.

H&M Fashion Recommendation | *Python, Data Mining, Data Visualization, Data Analysis*   **Sep 2022 - Dec 2022**
- Conducted EDA on 31M records, uncovering key product trends, and optimizing product recommendations.
- Optimized data processing by cutting disk space usage by 50% and boosting data loading speed for efficient analysis.