Mithilesh Gaurihar

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PROFESSIONAL SUMMARY

Adaptable, energetic, and self-motivated individual with two years of global work experience, having worked with diverse and international teams in India and the United States. Skilled in Cloud and AI technologies. I aim to leverage my technical skills, excellent problem-solving, conflict management, and interpersonal skills to fill the developer role for challenging projects successfully.

EDUCATION

M.S. Computer Science — Expected May 2025
Arizona State University, Tempe, AZ — 4.0 GPA
B.Tech. Computer Science and Engineering — May 2021
National Institute of Technology, Warangal, India — 3.2 GPA

TECHNICAL SKILLS

Programming Languages:	JavaScript, Python, HTML, CSS, React, ABAP
Tools:	Node.js, Git, RESTful API, SOAP-based API, Express.js, IDE, Debugger, Build tools
Database:	Hana, SQL / MySQL, MongoDB, AWS DynamoDB, PostgreSQL
OS:	Windows, Linux, macOS
Cloud Technologies:	AWS, AWS Lambda, AWS EC2, AWS S3, AWS SQS
Methodologies:	Agile Development, Data Structures, Algorithms, Unit Testing

PROFESSIONAL EXPERIENCE

SAP Labs, India: Associate Developer — July 2021 - July 2023

- Played a key role as a Developer in the Agile Project team by developing a Commodity Management project using Node.js and Express for the backend
- Utilized React to build responsive user interfaces, improving overall user experience and reducing load times by 30%
- Developed RESTful APIs with Express.js to facilitate seamless communication between frontend and backend services
- Showcased solid analytical skills by efficiently and accurately resolving more than 10 Priority-3 customer incidents
- Created utility software with Node.js to analyze and remediate red flags in database tables, achieving a 20% reduction in data inconsistencies
- Conducted thorough database administration and consistency testing for 4 tables in SAP HANA DB, ensuring data integrity after adding new fields and demonstrating health monitoring/alerting.
- Utilized GitHub for version control, code reviews, and collaborative development, improving team productivity by 15%

SAP Labs, India: Software Engineering Intern — June 2020 - August 2020

- Developed a full-stack web application for monitoring 5 periodically operating schedulers
- Accelerated decision-making and improved resource allocation effectiveness by integrating real-time API calls into the scheduler system, leading to a 30% decrease in scheduling errors
- Ensured code reliability and system stability by performing unit testing on the developed code, resulting in a 25% improvement in code quality and reducing post-deployment issues.

RELEVANT PROJECTS

Class Registration System, *Java, OpenAI API* — Github link

- Designed and implemented an efficient course-student matching algorithm by modifying the Gale-Shapley algorithm for the Easy Enroll Class Registration System
- Integrated the solution with OpenAI's Artificial Intelligence Model (LLM) into the application

DevDoc AI Documentation Generator, *React, Python, Gemini AI API* — Github Link

- Developed an AI-powered web app that automates code documentation across multiple languages, reducing documentation time, with CI/CD implemented via GitHub Actions and Render.
- Implemented code chunking algorithms that process large files while maintaining documentation accuracy
- Created an intuitive React UI with real-time Markdown previews that increased team adoption

Openpose Player Analysis, *Python, OpenPose, Google Colab* — Github Link

- Implemented the OpenPose model to conduct real-time multi-person 2D pose estimation for badminton player movement analysis