BHAVANI ATLA

Full Stack Developer

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Summary

Full Stack Developer with hands-on experience in developing scalable and responsive web applications using **Java**, **React**, and **Node.js**. Proficient in building **RESTful APIs**, integrating frontend and backend systems, and managing databases like **MySQL** and **MongoDB**. Strong foundation in **object-oriented programming**, **data structures**, and **algorithms**. Experienced in working within **Agile** teams and using tools such as **Git**, **Jira**, **Postman**, and **Figma**. Passionate about clean code, **performance optimization**, and continuous learning to deliver high-quality software solutions.

Experience

DBAttic Studios
Bedford, NH

Product Experience & Operations Engineer
07/2025 - Present

- Designed and optimized user interfaces and workflows for research and product environments using **React**, **JavaScript**, and **Figma**, significantly improving usability and cross-team efficiency.
- Engineered internal tools and operational systems with **real-time feedback loops**, streamlining **process automation**, **compliance tracking**, and enhancing **audit readiness**.
- Led **user research**, **usability testing**, and **data-driven UX improvements**, delivering iterative enhancements that supported product development and research outcomes.
- Managed and maintained company websites, resolved technical issues in collaboration with **web developers**, and supported project delivery through **Jira**, **Git**, and structured documentation.

Rivier University
Nashua, NH

Teaching Assistant
05/2024 - 05/2025

- Supported students in mastering **Java** programming, **algorithm design**, and **object-oriented principles** through personalized guidance and hands-on lab sessions.
- Clarified complex concepts in **data structures**, **optimization**, and **problem-solving** during lectures, labs, and one-on-one mentoring.
- Assisted faculty with **course material preparation**, **grading assignments**, and facilitating effective learning experiences in a collaborative academic environment.

Accenture
Hyderabad, India

Custom Software Engineering Associate
08/2022 - 07/2023

- Developed **full-stack web applications** with responsive UI components using **HTML**, **CSS**, and **JavaScript**, and integrated secure backend services using **Node.js** and **MongoDB**.
- Leveraged **Apache Kafka** to build **real-time data pipelines**, enhancing system resilience and enabling high-throughput data ingestion and processing.
- Optimized **API performance** by refining **database queries**, reducing load times by 30%.
- Actively contributed in **Agile** ceremonies to ensure efficient and timely project delivery.

Skills

HTML5 · CSS3 · JavaScript · Angular · ReactJS · Java · Nodejs · Python · MySQL · MongoDB · PostgreSQL · Data structures · Git · Jira · Figma · CI/CD · Restful APIs · Apache Kafka · AWS Cloud

Projects

Sudoku Solver and Generator

- **Designed and implemented a command-line Sudoku game in Python**, allowing users to generate, solve, and interact with puzzles in real-time.
- **Built an automated puzzle generator and backtracking solver** to handle both system-generated and user-input Sudoku boards.
- Leveraged **Python modules** such as **random**, **time**, and **copy** to support **dynamic board creation**, **timed challenges**, and solution tracking.
- Enabled flexible gameplay through **user input support**, allowing users to enter custom puzzles and receive step-by-step, auto-generated solutions.

Fake News Detection Using ML

- **Built a machine learning model** to classify news articles as **real or fake**, training on a large **labeled dataset** using **supervised learning techniques**.
- Applied advanced **data preprocessing** techniques like **tokenization**, **stop word removal**, **stemming**, and **TF-IDF vectorization** to enhance data quality.
- Experimented with and evaluated multiple algorithms including **Logistic Regression**, **Naive Bayes**, and **SVM**, selecting the best-performing model with **90% accuracy**.
- Developed a user-friendly interface to accept live news text, providing **real-time** predictions and insights into news authenticity, enhancing usability and application scope.

Education

Rivier University
Nashua, United States

MS in Computer Science │ GPA: **3.96** / 4
08/2023 - 05/2025

Malla Reddy College of Engineering and Technology
Hyderabad, India

B.Tech in Computer Science │ GPA: **8.6** / 10
06/2018 - 05/2022