VENNELA VASIREDDY

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WORK EXPERIENCE

Backend Developer, Python | *Hilal Software Corp– Los Angeles, USA*   July 2024 – Present
TECH STACK – PYTHON, FASTAPI, POSTGRESQL, NEXT.JS, JIRA, GITHUB, CLOUDINARY
- Developing a SAAS email marketing application that is focused on E-commerce business to accelerate sales
- Implementing RESTful APIs using FastAPI to handle application features, ensuring efficient communication in the system
- Created PostgreSQL schemas for various data models, ensuring optimal database structure for storing and managing data

Teaching Associate | *California State University, Fullerton – California, USA*   January 2023 – May 2024
TECH STACK – C++, C++ STL, OOPS, LINUX, GITHUB
- Instructed hands-on lessons on object-oriented programming in C++ using the Linux Operating System to 120+ bachelor students, resulting in a 30% improvement in overall understanding and application of programming concepts

Software Engineer, Java | *Accenture Solutions Private Limited – Hyderabad, India*   July 2021 - July 2022
TECH STACK – JAVA, SPRINGBOOT, JPA, REACTJS, JUNIT, KUBERNETES, DOCKER, JENKINS, CI/CD, GITLAB, AGILE
- Development of a scalable e-commerce platform using React.js, Java, and Spring Boot, enhancing performance and user experience, and implemented RESTful APIs to improve system efficiency by 30%
- Architected microservices using Docker and Kubernetes, facilitating independent scaling and enhanced fault tolerance to accomplish a 40% decrease in service downtime
- Optimized Object-Relational Mapping (ORM) via Hibernate, resulting in a 30% reduction in data retrieval time and streamlining complex database operations for improved efficiency
- Automated unit and integration testing using JUnit and Mockito, improving code quality and reducing bugs by 35%, and established a robust testing framework that accelerated development cycles
- Integrated Jenkins for continuous integration and deployment (CI/CD), streamlining the deployment process, reducing release cycles by 50%, enhancing team productivity, and accelerating time-to-market for new features

Application Developer | *Let's Vume – Mumbai, India*   January 2021 – June 2021
TECH STACK - JAVASCRIPT, BOOTSTRAP, UI/UX, GOOGLE ANALYTICS, SEARCH ENGINE OPTIMIZATION (SEO)
- Developed website with compelling graphics, animations, and modern layouts, leading to a 25% surge in user engagement measured by time spent on site, click-through rates, and bounce rates
- Prioritized and achieved 100% mobile-friendliness across all pages, ensuring a seamless experience for all visitors and contributing to a 15% increase in mobile conversions
- Aligned efforts with company goals to enhance brand image and improve user experience. The improvements directly supported objectives outlined in the latest marketing strategy, contributing to a 10% growth in quarterly sales

Java Developer Intern | *Cantilever Labs – Hyderabad, India*   July 2020 – December 2020
TECH STACK - HTML5, CSS3, BOOTSTRAP, JAVA, JAVASCRIPT, JAVA SERVLET, JDBC, MYSQL
- Translated 5+ UI/UX mockups into responsive, user-friendly web pages. Crafted Java Servlets to manage different user types. This involved creating distinct registration questions and customized landing pages
- Implemented validation, especially on the registration form, preventing over 20% of potential data errors. Designed new tables to accommodate user types and additional profile details

PROJECTS

Live Train Waste Sorting with AI | **GITHUB**   March 2024
TECH STACK – PYTHON, CNN, BOOTSTRAP, JAVASCRIPT, FLASK, DOCKER, PYTORCH, HTML/CSS, ARTIFICIAL INTELLIGENCE
- Leveraged a convolutional neural network to classify waste from user-uploaded images with 92% accuracy. Integrated user feedback for continuous improvement and responsible waste management

Inventory Demand Forecasting | **GITHUB**   January 2024
TECH STACK – PYTHON, FASTAPI, HTML, BOOTSTRAP, JAVASCRIPT, CHATBOT, MACHINE LEARNING
- Built an application with a chatbot interface that can forecast the inventory needed for future days based on past data

TECHNICAL SKILLS

Languages and Tools – C, C++, Python, Java, JavaScript, TypeScript, Apex, Ajax, SQL, HTML, CSS, Git, GitHub, Jira, Docker
Platforms, **Libraries, and Frameworks** -. Bootstrap, React.js, Nods.js, Agile, Spring MVC, Flask

EDUCATION

California State University, Fullerton   August 2022 - May 2024
Master of Science, Computer Science - GPA: 3.8/ 4   *Fullerton, CA*
- **Courses:** Advanced Algorithms, Cloud Computing & Security, Advanced database Management, Artificial Intelligence, Modern Software Management, Web Back End Engineering