Hruday Solleti

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Software Engineer, Profile

Tech-savvy professional with a strong background in developing and implementing robust software solutions across various industries. Experienced full-stack developer and cloud technologies specialist, proficient in Python, Java, JavaScript, and SQL. Adept at leveraging cloud computing services, including AWS S3, Docker, and Linux, to optimize performance and scalability. Skilled in executing advanced automation solutions using Python, Selenium, and Docker, streamlining workflows with efficient deployment strategies on AWS EC2. Hands-on experience in data extraction using Large Language Models (LLMs) and predictive analysis for intelligent automation. Proficient in both frontend and backend development, utilizing modern frameworks and technologies to create interactive web and mobile applications. Demonstrated expertise in database management with MySQL and SQL Server, ensuring secure and scalable data handling. Accomplished project leader with experience in building AI-powered solutions, including medical diagnostic applications, appointment scheduling platforms, and intelligent study assistants. Proven ability to manage and execute high-impact projects, securing funding and presenting research at IEEE conferences. Passionate about delivering secure, efficient, and scalable applications that enhance user experience and operational efficiency.

Technical Proficiencies

Languages: RPA-Python, Java, HTML, CSS, JavaScript, SQL

Software Development: Node.js, RestAPIs, jQuery, ReactJS,Tailwind, JSON, Software Development Life Cycle, JUnit, Android, LLM's, OpenAI API, Linux/Unix, Selenium Automation

Testing & Debugging: Unit Testing, Integration Testing, Load Testing, Sandbox API Testing

DevOps & Cloud: AWS(EC2, Elasticsearch,S3), AZURE, Docker, Git, GitHub, Postman

Databases: MySQL, SQL Server, SQLite, AWS RDS

Professional Experience

Information Data Systems, Job Portal, Hyderabad — OCT 2024 — Present

Software Engineer

- Developed and deployed a React.js-based Job Portal to streamline job applications, reducing manual effort in candidate screening and enhancing the recruitment process.Integrated AWS services (S3, CloudFront) to enhance cloud storage and content delivery, ensuring scalable and high-performance infrastructure for the application.
- Automated the resume parsing process, integrating AI-based Natural Language Processing (NLP) to extract key candidate details such as skills, experience, and education.
- Designed a Large Language Model (LLM)-powered chatbot to assist job seekers in finding relevant job listings and providing resume improvement suggestions.
- Enabled seamless cloud storage using AWS S3, ensuring secure and scalable management of job applications, candidate profiles, and resumes
- Built an intuitive HR Dashboard that provides hiring managers with real-time analytics on applicant tracking, job post engagement, and candidate conversion rates
- Integrated Automated Job Matching Algorithms, improving candidate-job relevance by leveraging machine learning techniques.
- Engineered and optimized cloud infrastructure with AWS EC2, S3, and Docker, ensuring scalability, high performance, and secure data processing.
- Implemented real-time notifications for application status updates, interview scheduling, and recruiter-candidate interactions.
- Developed validation scripts for automated screening of resumes, ensuring compliance with job requirements and reducing screening time.
- Enhanced user experience (UX/UI) by designing a clean, responsive frontend using React.js, Tailwind CSS, and Vite.

Information Data Systems, Patient Connect, Hyderabad — Apr 2024 — Sep 2024

Software Engineer Intern

- Developed and deployed RPA-based Python automation to extract patient details from multiple U.S. healthcare insurance websites, streamlining data collection and reducing manual effort.
- Automated the downloading, merging, and uploading of patient records to AWS S3, ensuring secure cloud storage and seamless access for further processing.
- Implemented a Large Language Model (LLM)-powered bot to analyze patient documents from AWS S3, extract key details such as medications, insurance coverage, and visit history, and format the data according to insurance requirements.

- Designed and integrated structured patient records into the Patient Connect application, allowing doctors to log in and instantly view consolidated patient histories, insurance information, and medical visits in a single interface.
- Engineered and optimized cloud infrastructure using AWS EC2, S3, and Docker to enable scalable, high-performance processing of patient data across multiple insurance providers
- Developed validation scripts for automated insurance form processing, ensuring accuracy and compliance with healthcare standards
- Contributed to a secure and efficient patient data retrieval system that enhances doctor accessibility, improves healthcare workflows, and centralizes critical medical information for better patient management.

Additional Experience

IEEE Committee Member (Computer Science), New Horizon college of engineering, Benguluru, KS, Dec 2023 — Jun 2024.
Team Lead, Coding Competition, Organized and led a coding competition with over 200 participants at the college level.
KSCST Investment, Secured funding from Karnataka State Council for Science and Technology for a major project.

Education

Bachelor of Engineering in Computer Science, CGPA: 8.60 / 10.00

Visvesvaraya Technological University, New Horizon College of Engineering, Bengaluru, India
Relevant Coursework: Cloud Computing, Deep Learning, Fundamentals of Data Science, Networking Protocols, Big Data Analytics, Pattern Recognition, Ethical Hacking, VMware, Web of Things, AWS S3

Key Projects

Brain Neoplasm Detection Using CNN with VGG-16 Model, Team Lead | Group project **Jan 2023 — Jun 2024**

- The project uses a CNN with the VGG-16 model to detect and classify brain tumors from MRI images. .
- It involves preprocessing MRI images, training the model, and evaluating performance based on accuracy, precision, and recall.
- The model achieved 95% accuracy on the validation set and 82% on the test set, showing its effectiveness.
- Automation reduces manual interpretation errors, making the detection process faster and more accurate.
- Future improvements include integrating multimodal data, expanding datasets, and enhancing model interpretability.

Hospital Appointment Finder, Independent project **Sep 2023 — Jan 2024**

- Designed a mobile application to streamline the appointment scheduling process, enhancing efficiency and accessibility for patients.
- Implemented user-friendly interfaces to improve patient experience and reduce the time required to schedule medical appointments.

Study Buddy, Independent project **Jan 2023 – May 2023**

- Developed a web-based application to assist students with time management and study planning, providing organized schedules and learning objectives.
- Utilized HTML, CSS, and JavaScript to create an interactive and responsive interface, ensuring a seamless user experience.

Certifications

- AWS Associate Developer
- Ruby Bootcamp
- Introduction to Cloud Computing (NPTEL)
- Complete Linux/Unix training
- Machine learning using Python - Coursera
- Docker Certification - Udemy