

Sai Gangadhar Boddeti

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PROFILE

Highly motivated Master's student in Computer Science with 4.5+ years of professional experience in software development, DevOps, and cloud infrastructure management. Demonstrated expertise in Python, Java, C++, and JavaScript, with a proven record of designing, developing, and optimizing robust software solutions in dynamic environments. Adept at collaborating with cross-functional teams, mentoring peers, and delivering innovative applications to support academic and research objectives. Passionate about end-to-end software delivery, troubleshooting, and fostering an engaging learning environment.

SKILLS

Web Development: Angular, JavaScript, NodeJS

Programming Languages & Methodologies: Java, Python, C++, Agile, SDLC

Software Development & Support: Application design, full-stack development, REST APIs, requirements analysis, code reviews, debugging

.Net Development: ASP.NET Core MVC, EF Core, .NET Identity, Bootstrap 5, jQuery, Visual Studio Code (CLI), Model-First Database Design, RESTful Routing, Authentication & Authorization

Machine Learning & Data Science: Python, Scikit-learn, Pandas, Matplotlib, Seaborn, Voting Classifier, NumPy

DevOps & Automation: Git, Jenkins, Docker, Ansible, Gradle, AWS, CI/CD pipelines, Shell scripting

Software Maintenance & Optimization: Performance tuning, refactoring, incident management, version control, system upgrades

Collaboration & Communication: Agile teamwork, technical documentation, user training, stakeholder engagement

Monitoring & Reporting: Grafana, AppDynamics, Splunk, Tableau

PMP: Jira administration, configurations, plugin management (Script Runner, XRAY, JSU Automation, Structure)

Cloud: AWS (EC2, VPC, CloudWatch), Azure (fundamentals)

Database Management & Reporting: MySQL, Oracle SQL, Tableau

PROJECT EXPERIENCE

OpenTable Clone — Full-Stack Internet Application Development

- Built a full-stack internet application using ASP.NET Core MVC (.NET 9) and Entity Framework Core following a Model-First approach, simulating a real-world platform similar to OpenTable.com.
- Implemented multi-area architecture, regular and attribute routing, model binding, Post/Redirect/Get (PRG) pattern, session and cookie management, and custom server- and client-side validations.
- Integrated repository pattern and .NET Identity services for robust data access and authentication/authorization.
- Applied Bootstrap 5 and jQuery for responsive front-end design, with features including user/admin navigation, shopping cart functionality, advanced filtering, pagination, and sorting.
- Developed secure administrator functionalities for CRUD operations on metropolises, restaurants, and user entitlements. Leveraged Visual Studio Code with Command Line Interface (CLI) for efficient development and deployment workflows.
- Prioritized modern design patterns, secure coding practices, and cloud-readiness throughout the project.

Early-Stage Diabetes Detection using Ensemble Machine Learning

- Built a predictive analytics pipeline to detect early-stage diabetes using patient medical records, leveraging preprocessing, feature engineering, and exploratory data analysis to identify key diagnostic indicators.
- Evaluated multiple models (Logistic Regression, Random Forest, SVM, K-Nearest Neighbors) and implemented an ensemble voting classifier, achieving up to 99% accuracy and strong classification on both diabetic and non-diabetic outcomes.
- Used PCA for dimensionality reduction, correlation heatmaps, and ROC curve analysis to optimize model performance and feature selection.
- Visualized trends in major symptoms and demographic features, providing actionable insights for risk stratification and clinical applications.
- Automated the workflow using Python and scikit-learn, producing robust results and clean reporting for use in medical data science contexts.

PROFESSIONAL EXPERIENCE

Engineer, BOSCH | HYDERABAD

03/2022 – 12/2023

- Developed and maintained CI/CD pipelines using Git, Jenkins, and Ansible to automate deployment and configuration, ensuring seamless and scalable application deployments.
- Managed 20+ Jira server applications and 3 major Confluence Data Center instances serving over 200k users, overseeing system performance, updates, and ensuring continuous availability.
- Designed and optimized backend and integration components to enhance system reliability and performance for high-volume user environments
- Designed Docker images and automated their updates, enhancing deployment speed and consistency.
- Designed and implemented a monitoring ecosystem using Grafana and AppDynamics, reducing incident resolution time by 40%.
- Applied Site Reliability Engineering (SRE) principles to ensure 99.9% uptime for critical applications.
- Analyzed system logs using Splunk to identify root causes for 50+ critical system/application failures, leading to a 40% improvement in resolution time.
- Created Shell scripts to automate server maintenance tasks, improving operational efficiency by 20%.
- Managed Oracle SQL databases and configured load balancers, supporting high-availability architectures.
- Leveraged cloud computing on AWS (EC2, VPC, CloudWatch) to deploy, monitor, and maintain cloud-based applications, demonstrating transferable skills to GCP.
- Built custom dashboards and data-driven tools to improve decision-making for technical and business stakeholders.
- Authored comprehensive technical documentation and delivered training on system usage and troubleshooting best practices.

Senior Software Engineer, Wipro | PUNE

06/2019 – 02/2022

- Led the development of interactive web applications and specialized software using Python, Java, JavaScript, and MySQL to address evolving business and research needs, resulting in a 40% improvement in data visibility.
- Spearheaded DevOps integrations for Jira and Confluence, aligning with enterprise development tools.
- Developed Groovy scripts and managed automation via ScriptRunner and other Jira plugins.
- Led infrastructure optimization projects, improving tool performance by 25%.
- Created internal documentation and trained 50+ engineers on system use and DevOps practices, reducing support tickets by 15%, demonstrating strong collaboration and communication skills.
- Built Angular dashboards with backend logic in NodeJS and MySQL to monitor application KPIs.
- Authored 10+ custom Groovy scripts for the Script Runner plugin, automating routine tasks and saving 15 hours per week.
- Optimized an ecosystem of 30+ plugins, enhancing system performance by 25%.
- Directed a team in software system enhancements, resulting in a 25% improvement in application performance.
- Provided mentoring and technical assistance to engineering teams, improving adoption of best practices and reducing support requests.
- Supported software deployment processes, automated grading tools, and exam proctoring systems for academic solutions.
- Maintained and updated technical documentation and facilitated training on new software features and tools.
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EDUCATION

Master's in computer science | Governors State University, Chicago IL | GPA: 4.0 Dec 2025

Bachelor of Technology in computer science | Jawaharlal Nehru Technological University, Kakinada, India | May 2019

ACHIEVEMENTS

- Recognized as Associate of the Month at Bosch Global Software Technologies for exceptional contributions to Digital Workplace.