

Suhas Reddy B R

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Education

Northeastern University, Boston, MA

Sept 2024 – May 2026

Master of Science in Information Systems - 3.8/4

REVA University, Bangalore, India

Aug 2019 – Aug 2023

Bachelor of Technology in Computer Science & Engineering - 3.6/4

Technical Skills

Programming Languages: Java, Python, R, Typescript, Javascript, SQL, HTML, CSS, C++, C

Frameworks: ReactJS,Next.js,, Node.js, AngularJS, Flask, Django Material-UI, FastAPI

Developer Tools: Git, Docker, Terraform, Ansible, JIRA, Google Cloud Platform, Azure, AWS, Kubernetes

Libraries: NumPy, Pandas, Scikit-learn, Matplotlib, Keras, npm, yarn

Databases: MySQL, PostgreSQL, MongoDB

Work Experience

Software Engineer

Oct 2023 – July 2024

Elanco, Bangalore, India

- Engineered dynamic websites using the FERN (Firebase, Express, React, Node) stack, amplifying product visibility and slashing manual hours by 30%.
- Streamlined infrastructure monitoring with Ansible, reducing manual oversight by 70%, cutting workflow downtime by 15%, and fostering seamless collaboration between DevOps and development teams.
- Crafted and deployed a PowerBI dashboard that integrates data from GitHub, Azure, and cloud cost metrics, accelerating data analysis efficiency by 40% and driving data-centric decision-making across departments.
- Constructed a PowerBI dashboard to track cloud expenditures across the organization, **yielding** savings of a **quarter million dollars** in a financial year.
- Refined API testing by automating regression tests with Postman, shortening testing duration by 10% and boosting operational efficiency.

Project Trainee

Jan 2023 – May 2023

Bosch Global Software Technologies, Bangalore, India

- Developed a scalable, high-performance website using React and TypeScript, incorporating activity tracking and reward systems, driving a 40% increase in multi-device engagement and optimizing the user journey.
- Revamped RESTful APIs with Python FastAPI, leveraging asynchronous processing to accelerate response times by 30%, improving system responsiveness and maximizing throughput.
- Enhanced the performance of Azure SQL databases by executing advanced query optimization, indexing, and caching, reducing retrieval times by 25% and boosting data efficiency and system reliability.

Academic Projects

CodeReviewer.AI | *Python, Groq AI, GitHub API, GitHub Actions, LLaMA*

- Engineered an AI-driven pull request review bot using Groq's llama-3.3-70b-versatile— model, enabling automated feedback on code quality and improvement suggestions.
- Integrated GitHub API to dynamically fetch and analyze code diffs, while automating the review process through GitHub Actions to optimize workflow efficiency.
- Enhanced security and performance evaluation by designing prompts to identify potential vulnerabilities, such as unvalidated inputs, API abuse risks, and improper error handling, and to optimize algorithmic efficiency.

Chronic Kidney Disease Staging and Survival Analysis | *Python, scikit-learn, pandas, NumPy, Matplotlib, Seaborn*

- Developed a comprehensive machine learning pipeline to predict CKD stages, achieving a 15% increase in model accuracy by refining feature selection and preprocessing on a dataset of 200+ patient records.
- Performed advanced survival analysis using Kaplan-Meier estimators, uncovering critical progression patterns and age-related effects, generating survival probability estimates for 70% of patients.
- Transformed complex data insights into 10+ interactive visualizations, utilizing Python libraries to facilitate clear communication of findings to diverse stakeholders.