

Rishi Kiran Reddy Bobbili

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EDUCATION

Stevens Institute of Technology - Hoboken, NJ Sep 2022 - Dec 2023

Master of Science in Computer Science

Relevant Coursework: Web Programming, Advanced Database Management Systems, Distributed Systems, Machine Learning

Sreyas Institute of Technology - Hyderabad, India

Aug 2016 - Oct 2020

Bachelor of Technology in Computer Science

Relevant Coursework: Design and Analysis of Algorithms, Mobile Development, Application Security, Software Engineering

SKILLS

- **Programming Languages:** JavaScript, Python, R, Java, C++, C#, Go, HTML, CSS
- **Web Development:** Angular, React, Vue.js, Node.js, Python Flask, ASP.NET, Java Spring Boot, GraphQL
- **Database Management:** MySQL, SQL Server, MongoDB, Oracle DB, PostgreSQL, Cassandra
- **Other Skills:** Amazon EC2, Amazon S3, Microsoft Azure, Redux, CI/CD Tools, Redis, Snowflake, Kubernetes, Microservices, AWS Lambda, Apache Kafka, Docker, Agile Framework, Scrum, GIT, SOAP, WebSocket, Design patterns, Neural Networks, Data Mining

WORK EXPERIENCE

Stevens Institute of Technology - Hoboken, NJ Sep 2023 - Dec 2023

Teaching Assistant, Data Mining

- Developed and delivered compelling lectures on data mining theories, algorithms, and applications, guiding students through challenging projects.
- Mentored students, resulting in a notable 25% improvement in individual project scores.
- Provided comprehensive assistance to students, fostering a deeper understanding of complex concepts and contributing to amplified project outcomes.

Option Matrix Infotech Pvt Ltd - Hyderabad, India

Jan 2021 - Oct 2022

Software Developer

- Led a Java-based project, enforcing Test-Driven Development, rigorous unit testing, Agile practices, and CI/CD with Docker and Kubernetes, boosting code quality and development speed.
- Established a robust CI/CD pipeline using Jenkins and GitLab, reducing deployment cycles by 60% and accelerating new feature time-to-market from weeks to days.
- Designed and orchestrated cloud applications using Kubernetes, Docker, and Kafka, leading a seamless migration to OpenStack. Refined robustness, scalability, and a notable 20% operational cost reduction were the outcomes of this programme.
- Utilized Java to apply object-oriented design patterns, revising code structure and maintainability, while optimizing data models, including high-performance MySQL databases and NoSQL solutions such as Cassandra for a more efficient system.

HEU Technologies Pvt Ltd - Hyderabad, India

Aug 2020 - Dec 2020

Full Stack Developer

- Designed and effectuated a Zoom meeting chatbot using Python and Puppeteer, reducing meeting preparation time by 50% and enhancing user satisfaction.
- Integrated Rev.ai's ASR API for real-time speech-to-text transcription, improving accessibility and refined meeting experience.
- Collaborated with cross-functional teams to gather technical requirements and deploying chatbot into Zoom environment, ensuring efficient communication and Synthesized processes.
- Played a key role in upgrading virtual meeting experience, facilitating smoother communication and fostering effective collaboration among participants.

PROJECTS

Stevens Stock Research Web Application - Skills: React, Tailwind CSS, Firebase Dec 2023

- Pioneered a secure stock research web application prioritizing user privacy, avoiding data collection, ensuring reliable and confidential stock research. Integrated Redis for efficient data storage and retrieval, and utilized Gridstack.js to create potent, customizable dashboards for a personalized user experience.

Image Captioning using Deep Learning - Skills: Neural Networks, Machine Learning

Dec 2022

- Oversaw an application development team utilising a CNN-RNN model on the Flickr8k dataset. The model produced noteworthy results (BLEU-4 = 0.2, BLEU-3 = 0.39, BLEU-2 = 0.53, BLEU-1 = 0.75), indicating grown translation accuracy.

Other Personal Projects:

- Piloted a real-time financial analytics dashboard with Python, Django, and WebSocket technology, providing instant insights for decision-making.
- Built a highly scalable e-commerce platform using Angular, .NET (C#), and SQL Server, optimizing online operations and customer experiences.
- Crafted an interactive portfolio website with React, Tailwind CSS, and three.js take around an engaging user experience.
- Developed a secure job platform (Node.js, Express, MongoDB, Handlebars) with real-time Jobs API integration, ensuring current listings and implementing strong user authentication for enhanced security and trust.