Rithik Sachdev

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⭐ Skills & Tools

- *Java (Spring Boot, Swing, Android)*
- *Elastic Search*
- *New Relic*
- *React-Redux*
- *Groovy*
- *Node.js*
- *Apache JMeter*
- *Python (Flask, Selenium)*
- *Cloud Computing (GCP, AWS, Azure)*
- *Redis Cache*
- *Kafka*
- *Apache Cassandra*
- *RDBMS (Postgres)*
- *MongoDB*

🌐 Languanges

Hindi, Sindhi | Native

English, French | Non-Native

📖 Education

2017-2021

B.Tech in Computer Science at Shri G. S. Institute of Technology and Science, Indore
GPA - 7.81/10
WES - 3.62/4

Extra-Curricular

Overall Coordinator, Entrepreneurship-Cell SGSITS

- Elected to spearhead a team of sixty active members.
- Led the launch of the official merchandise store to set a live example of entrepreneurship among the students.
- Organized the first virtual E-Summit with more than 30k+ viewers, 1250$ in sponsorship.

Member, Art for Charity Society

- Contributed to creating a portal using react.js for the auction of artworks
- Volunteered in donation camps.

📈 Experience

Software Engineer at Nextuple — July 2022-present

- Worked on migrating the AWS services to Azure for the promising engine module.
- Performed load balancing by designing a custom spring configuration for utilizing multiple readers and a master instance to improve pod performance by 40%.
- Reduced API response time by 30 milliseconds by optimizing code to reduce performance bottlenecks in the transit and item micro-service.
- Designed sequence diagrams and activity diagrams for the data upload micro-service.
- Worked on the inventory-cache module using the full-sync load of 40 million products.
- Created Kibana dashboard for error logs and alerts on the New Relic health check dashboard.

● **JAVA, AWS, Azure, PostgreSQL, Kafka, Redis, Elastic Search, New Relic**

Research Experience and Publication — August 2022

Presented a comparison of supervised learning algorithms for DDoS attack detection that compares five algorithm methods published on the CIC-IDS 2017 dataset. - https://doi.org/10.22214/ijraset.2022.46506

● **Python, Machine Learning, Computer Networks**

Associate Software Engineer at Nextuple — August 2021- June 2022

- Worked on the development of a client-facing browser extension to showcase the Metro BOPIS module on client websites.
- Performed integration testing using the cucumber framework and unit testing with JUnit. Passed all benchmarks with more than ninety percent code coverage.
- Worked on the bag labeling, picking, and retail transfer order micro-service and contributed to Groovy performance scripting.
- Volunteered to co-host a game night and created posters for the Back to office and HR portal.

● **JAVA, React, Javascript, Groovy**

Software Engineering Intern at Aaiway — January 2020 - July 2020

- Developed a website using React framework to provide the optimal property cluster for rental and sale properties depending on consumer preferences and sentiments.
- Utilized the Google Speech to Text API, Google Dialogflow, and socket.io to create a chatbot for interactively gathering consumer information.
- Developed a web scraping tool using python to scrape house listings from several websites.

● **React, Javascript, Python**

📈 Scholarship, Prizes and Honors

• Awarded **Medhavi Scholarship** on full tuition fees (Top 5% of state students).	August 2017
• Secured **second runners-up** position in **State-level Hackathon - HackIndore 2.0** for creating a virtual dressing room.	July 2019
• Represented college and achieved **second runner-up** at the **National Virtual Imagine Hackathon** hosted by Principal Global Systems for designing a human resource automation website.	October 2020
• Received the **Star Award** for resolving performance bottlenecks and improving response time by 30 milliseconds.	August 2022
• Achieved the **second position** in the **Nextuple Inc. Internal Hackathon** for designing a **clustering algorithm for pick path optimization** that minimizes the distance traveled by the picker by 30 percent compared to wave optimization.	December 2022