

# Shikhar Kumar

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## Education

### University of California, Riverside

Sept 2024 - June 2026

Master of Science in Computer Science

CGPA: 4.00/4.00

*Relevant Coursework: Design and Analysis of Algorithms, Artificial Intelligence, GPU Architecture and Parallel Programming, Foundations of Machine Learning, Cloud Computing and Cloud Networking, Information Retrieval and Web Search*

### Dr. A.P.J. Abdul Kalam Technical University

Aug 2016 - Sept 2020

Bachelor of Technology in Information Technology

CGPA: 07.47/10.00

*Relevant Coursework: Data Structures, Design and Analysis of Algorithms, Database Management Systems, Operating Systems, Software Engineering, Object-Oriented Techniques, Web Technologies*

## Experience

### Nagarro, Gurgaon, India

Jan 2020 - Sept 2022

Software Engineer

#### Data and Infrastructure Handling

- Developed real-time data publishers using AWS Lambda Functions in .NET Core, ensuring efficient and timely data synchronization across multiple services.
- Implemented AWS CI/CD pipelines using Terraform scripts, reducing deployment time by 20% and enabling seamless, efficient deployments.
- Set up monitoring and alerting for real-time data publishers using AWS CloudWatch, New Relic, and Splunk, enabling 50% faster fault detection for on-call developers.
- Analysed developers' workflows and proposed productivity-enhancing solutions, leading to the development of new mini-projects and POCs.
- Successfully implemented an Automatic Virtual Machine Setup based on these proposed solutions.

#### Automation scripts

- Automated the setup of new virtual machine servers using PowerShell scripts, reducing setup time from 2 days to 1 hour.
- Presented our work, leading to the adoption of our automation solutions by other teams, which had a company-wide impact on virtual machine setup and resulted in significant cost savings.

#### Web Service

- Developed a complete backend server API in .NET MVC for a camp booking service.
- Designed the frontend user interface using Angular.

## Skills

- Programming Languages:** C#, Java, Python
- Database & Query Languages:** Oracle 18c, MySQL
- Tools & Frameworks:** Amazon Web Services, .NET Core, GIT, New Relic, Spunk

## Achievements and Awards

- Conducted monthly mentorship sessions for junior engineers at Nagarro.
- Earned 'Star of the month' award in each quarter of final fiscal year at Nagarro.
- Attained multiple technology badges and level-ups such as Java, C# etc.
- Won Nagarro's Advent Calendar award for one of the best entertaining performances of 2022.

## Certifications

- Core Java with Collections Framework, issued by Ducat Noida.

June 2019 - July 2019