Utsav Raj

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Education

Motilal Nehru National Institute of Technology Allahabad   *2019 – 2023*
Bachelor of Technology – Computer Science and Engineering, CPI: 8.13/10   *Prayagraj, Uttar Pradesh*

Delhi Model Public School   *2017 – 2018*
Grade XII (CBSE), 79.8%   *Patna, Bihar*

Dr. G L Dutta DAV Public School   *2015 – 2016*
Grade X (CBSE), CGPA: 9.6/10   *Patna, Bihar*

Relevant Coursework

- Data Structures
- Database Management
- Analysis of Algorithms
- Software Methodology
- Artificial Intelligence
- Cryptography
- Machine Learning
- Computer Networking

Experience

Wells Fargo   *July 2023 – August 2025*
Software Engineer (Aug 2024 – Aug 2025)   *Bengaluru, Karnataka*
Program Associate (July 2023 – Aug 2024)

- Worked on the DevOps side, supporting CI/CD pipelines and deployment automation for the Fargo application, Wells Fargo's chatbot platform.
- Managed and maintained CI/CD workflows using Jenkins, UCD, and Harness, ensuring efficient and reliable delivery processes.
- Hands-on experience with GitHub, Artifactory, SonarQube, Checkmarx, Blackduck, and JIRA for version control, code quality, security scanning, and agile project tracking.
- Proficient in scripting and administration on Unix/Linux environments; developed automation scripts to streamline recurring BAU tasks.
- Monitored and analyzed logs using Splunk and ELK, aiding in incident resolution and system diagnostics.
- Exposure to Google Cloud Platform (GCP) and Infrastructure as Code (IaC) tools like Terraform.
- Worked across a diverse range of components from the infrastructure side, including Java applications, Python applications, script automation components, Flink topologies, GCP-based components, and a few third-party applications.
- Used to Onboard new applications in alignment with the company's Line of Business (LOB) standards, ensuring compliance with enterprise architecture and security policies.
- Handled production release management for the Fargo application, coordinating deployments, monitoring, and post-release validations.
- Responsible for vulnerability tracking and remediation, including identifying outdated middlewares (e.g., older Java versions) and coordinating upgrades and cleanups to eliminate security risks on production servers.
- Contributed to the DCExit migration, supporting the decommissioning of old pre-prod VM based servers for Fargo application and onboarding new servers into our application which are available in a newly provisioned data center.
- In an early project, I also worked on an application involving front-end (ReactJS), back-end (Spring Boot), and database integration (MariaDB), and performed API testing using Postman.

GE Healthcare   *May 2022 – July 2022*
EID Intern   *Bengaluru, Karnataka*

- Came up with a solution that automated the manual process.
- Created Single Page Applications from scratch to be used by the user.
- Used Angular for front-end development and Spring Boot for creating microservices.

- Configured apps and microservices so that app will be able to take current data and get notifications from the server.
- Worked collaboratively with team on GitLab.

Projects

Blockchain Based Voting System
May 2023
MNNIT Allahabad

- Developed a secure and transparent blockchain-based voting system.
- Techstacks Used: ReactJS, Node.js, Ganache-GUI, and MySQL.
- Implemented smart contracts to automate voter registration, vote casting, and result tabulation processes.
- Ensured data integrity, transparency, and tamper-resistance through the use of blockchain technology.
- Optimized voter registration and vote counting processes, reducing manual errors and improving overall efficiency.

Path Finder and Visualizer
April 2022
MNNIT Allahabad

- A web application that determines the path between a starting point and an ending point on a grid of squares.
- Techstacks Used: Python, HTML, CSS, Django.
- It provides a visual representation of that path between points to the user.
- On a grid of squares, it will demonstrate the way how various algorithms work.
- Distinct colors are used to distinguish between different cell states.
- It will display the length, time, trace path, and number of operations performed by the algorithm during processing, allowing the user to select the optimal method for his needs.

Technical Skills

Languages: Python, C, C++, HTML/CSS, JavaScript, SQL, Shell Scripting

Developer Tools: VS Code, Eclipse, Jupyter Notebook, Google Colab, Jenkins, UCD, Harness, GitHub, JIRA, Postman

Technologies/Frameworks: Angular, ReactJS, NodeJS, Spring Boot, MariaDB, Linux, Terraform, GCP(Google Cloud Platform), Splunk, ELK(Elasticsearch)

Certifications

- Cloud Digital Leader Certification – issued by Google Cloud ↗ – Expires December 2026
- Associate Cloud Engineer Certification – issued by Google Cloud ↗ – Expires October 2027

Achievements

- Got Rank – 4135 in Round D 2021 in Google's Kickstart.
- Codeforces highest rating: 1256 (Pupil, handle: rajutsav1234), CodeChef highest rating: 1825 (4-star, handle: rajutsav1234).
- Qualified JEE Mains 19' and JEE Advanced 19'.
- Qualified KVPY 2016 conducted by IISc Bangalore.