

Rashi Agarwal

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EDUCATION

- **University of Petroleum and Energy Studies (UPES)** Dehradun, India
Bachelor of Technology - Computer Science 2020 - 2024
Major: Cloud Computing, Minor: Artificial Intelligence & Machine Learning, Strategic Management
Courses: Operating Systems, Data Structures, OOPS, Machine Learning, Networking, Databases, Cloud Computing

SKILLS SUMMARY

- **Languages:** Python, JAVA, C#, JavaScript, HTML, MySQL, SQL, Bash
- **Frameworks:** Flask, Spring Boot, ASP.NET Core, Scikit, NLTK, TensorFlow, Keras
- **Tools:** Kubernetes, Docker, Openstack, GIT, GitHub, Jenkins (CI/CD), Apache Airflow, SQLite
- **Platforms:** Linux, Web, Windows, Amazon Web Services(AWS), Microsoft Azure
- **Soft Skills:** Leadership, Documentation, Teamwork, Communication, Time Management

EXPERIENCE

- **Schneider Electric** Bangalore
Software Developer Intern **CURRENT**
 - **Lead for testing Github Migration:** Validating migration of code repositories from Azure DevOps to Github.
 - **Working on writing Unit tests, integration tests and component tests:** Using C#, Docker, Web APIs, .NET, Kubernetes, Visual Studio.
- **Optum** Hyderabad
Software Engineer Intern June 2023-July 2023
 - **Automating conversion of Oozie workflows to Apache Airflow syntax:** Developed python utility tool from scratch with 92% accuracy.
 - **Published Python Library named airflowconversion on PyPI.:**
 - **Impact:** Resulted in increased cross-team collaboration within Optum, reducing man-hours by 87.5%
- **Training Vision (TRAIVIS)** Remote
Project Intern Nov. 2022-March 2023
 - **Open Ended Questions Marker:** Developed automated subjective question grading system utilizing Machine Learning, Natural Language Processing, Flask, and Docker
 - **Impact:** Saved instructors an average of 2 hours per assignment/test.
- **Root Force Marketer (RFM360)** Remote
Team Lead, Javascript Developer June 2022-July 2022
 - **AIWriter component-website:** It recommends various social media content using HTML, CSS and Git, increasing user interaction with the website by 30%.
 - **Leadership:** Guided a team of 12 interns through successful completion of projects; ensured adherence to timelines and improved team efficiency.

PROJECTS

- **MediCURE - An application to predict disease and suggest suitable treatment:**
Implemented a web application utilizing ML algorithms to enable users to accurately diagnose diseases based on symptoms. It improved diagnosis rates to **89%** and increased user satisfaction by **60%** through personalized home remedy recommendations.
Tech: Python, Docker, AWS EC2, WAF
- **Serverless REST API deployed on AWS Cloud:**
Developed a serverless REST API enabling seamless CRUD operations on a DynamoDB table, resulting in a **50%** reduction in database access time. It is locally tested with Postman and used AWS services resulting in improved scalability.
Tech: Javascript, Node.js, AWS DynamoDB, Lambda, API Gateway
- **RLang Compiler Application deployed on Docker:**
Designed a custom language (R-Lang) compiler application for seamless conversion of custom language to Python, streamlining string and arithmetic operations following BODMAS, boosting user's efficiency in these areas by **20%**.
Tech: Python, Flask, Docker

PUBLICATIONS

- **Using Deep Learning Approach for Land-Use and Land-Cover Classification based on Satellite images in IEEE 2nd ASIANCON 2022:**
- **Covid-19 Analysis using Deep Learning Methods and Computed Tomography Scans 2021 IEEE Bombay Section Signature Conference (IBSSC):**

HONORS AND AWARDS

- Awarded **Copyright by Government of India** under the section of computer software for developing R-Lang Compiler.
- Peer Reviewer in ISPRS Journal of Photogrammetry and Remote Sensing, published by **Elsevier**. It is the biggest academic publishing company in the world, home to some of the most reputed journals.
- AWS Community Builder (Serverless) and AWS Certified Cloud Practitioner.
- Postman API Fundamentals Student Expert.
- Served as **Technical Core Committee Head** at IEEE COMPUTER SOCIETY UPES.