



BALLI RAHUL

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Bachelor of Technology

Computer Science and Engineering

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EDUCATION

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech CSE	Institute of Aeronautical Engineering , Hyderabad	Institute of Aeronautical Engineering	7.5 (Till 5th Sem)	2021-Present
Intermediate	Sri Chaitanya Junior Kalasala	State	79.2%	2021

EXPERIENCE

• Internship

August 2023 - September 2023

THE NATIONAL SMALL INDUSTRIES CORPORATION LTD TECHNICAL SERVICES CENTRE

- Completed a 3-week internship on Amazon Web Services (AWS) at The National Small Industries Corporation Ltd Technical Services Centre. Gained hands-on experience in cloud computing, enhancing skills in cloud services and infrastructure
- Authored a detailed whitepaper on AWS cloud migration strategies, which was shared with 50+ stakeholders; the document led to the successful migration of 3 critical applications, enhancing system performance by 25 percent.
- Facilitated workshops with AWS experts, driving discussions on cloud optimization strategies; these sessions equipped the team with actionable insights that improved resource allocation by 15 percent and enhanced service reliability.

PROJECTS

• Comprehensive DevOps Implementation and Automation

AWS Environment

- Implemented and automated DevOps processes in AWS, utilizing EC2, Jenkins, Docker, Ansible, and Terraform to enhance infrastructure efficiency and deployment automation.

• Personal Portfolio Website

Web Development

- Engineered a suite of interactive web applications using HTML, CSS, and JavaScript, resulting in a 40 percent reduction in user complaints regarding interface usability and an increase in user engagement metrics.
- Created modular web components with a focus on clean code principles, leading to a 50 percent decrease in maintenance time and allowing for quicker iterations on user feedback and feature requests.

• Cardiovascular Disease Prediction

Machine Learning

- Created robust data manipulation scripts utilizing Pandas and numerical operations with NumPy, processing complex datasets of over 1 million entries, which enhanced data accuracy and improved overall model performance.
- Executed a comprehensive data visualization strategy using Matplotlib, transforming intricate patient data into intuitive graphs and charts that are utilized by over 15 healthcare analysts for informed clinical decision-making.

TECHNICAL SKILLS

- **Programming Languages:** Python , Java , HTML/CSS
- **Tools and Frameworks:** Bootstrap , DEVOPS Tools
- **Operating Systems:** CentOS, Ubuntu, Amazon Linux and Windows

KEY COURSES TAKEN

- **CSE:** Introduction to C/C++, Object Oriented Programming in C++ and Java, Data Structures and Algorithms, Operating System, Database Management System

CERTIFICATIONS

- **Python for everybody** University of Michigan
- **Python Data Structures** University of Michigan

ACHIEVEMENTS

- **Kabaddi, Mandal-level, Patancheru**