



KHUSBOO ROY

M.TECH AND B.TECH IN COMPUTER SCIENCE
AND ENGINEERING

PROFILE

I aspire to leverage my extensive academic background in Computer Science and Engineering and hands-on experience in technical roles to secure a challenging position in a forward-thinking organization. I aim to apply my programming, data analysis, and machine learning skills to contribute effectively to innovative projects while continuing to grow professionally in a dynamic and collaborative environment.

WORK EXPERIENCE

● Rajkiye Engineering College, Bijnor

Assistant Professor

2021- PRESENT

- Instruct undergraduate courses in IT and computer science.
- Develop curriculum and course materials.
- Mentor students in academic and research projects.

● Rural Engineering Department, Jhansi

Computer Operator (Technical)

2014 - 2016

- technical operations and support.
- data entry and database management tasks.
- System monitoring and maintenance

PROJECTS

• Website Creation (Tech Stack)

Technologies: HTML 5, CSS, JavaScript

Date: June 2023

Description: Developed a fully functional website focusing on creating responsive and accessible web pages using HTML5 and CSS. Implemented interactive elements and basic animations using JavaScript to enhance user experience.

Role: Front-end developer

• Plant Leaf Disease Detection

Technologies: Python 3.8, Convolutional Neural Networks

Date: May 2021

Description: In this project, we developed a Plant Leaf Disease Detection system to identify and classify diseases in plant leaves using image data. The project aimed to assist in early disease detection, which is crucial for effective plant health management and agricultural productivity.

Role: Data Collection and Preparation, Data Analysis, and Exploration, Model Development, Performance Evaluation and Optimization Reporting and Documentation

• Password Generator

Technologies: Python 3.8

Date: July 2020

Description: The Password Generator project aims to enhance online security by creating a tool that generates strong, random passwords. The project was developed using Python 3.8 and focused on providing users with secure password options for various online accounts and applications.

CONTACT

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EDUCATION

2018 - 2020

DR A.P.J AKTU UNIVERSITY
KAMLA NEHRU INSTITUTE OF
TECHNOLOGY,SULTANPUR

- Master of Technology (CSE)
- CGPA : 9.06

2010 - 2014

DR A.P.J AKTU UNIVERSITY
MAHARANA PRATAP
ENGINEERING COLLEGE,KANPUR

- Bachelor of Technology(CSE)
- Percentage : 71.2%

TECHNICAL SKILLS

Programming: C, Java SE 17, Python 3.8, R programming, Spring Framework

Database: MySQL 5, MongoDB

Front-end technologies: HTML 5, CSS

JavaScript 5

Development Tools and IDEs: Visual Studio Code, R Studio, Anaconda, IntelliJ IDEA, or Eclipse, Minitab, Microsoft tools(Excel,word,powerpoint).

LANGUAGES

- English
- Hindi

SKILLS

- Project Management
- Public relations
- Leadership
- effective Communication
- Analytical thinking

Role: Project Design and Planning, Development and Implementation, Testing and Validation, Optimization

- **Hotel Management System**

Technologies: Python3.8, MySQL 5, Django Framework

Date: December 2020

Description: The Hotel Management System project was designed to streamline the operations of hotel management, focusing on efficient handling of bookings, customer data, and billing processes. The system was developed using Python 3.8, the Django framework, and MySQL 5, providing a robust and scalable solution for managing hotel operations.

Role: System Design and Architecture, Back-end Development, Front-end Development, Testing and Deployment

- **Tic-Tac-Toe Game**

Technologies: C Language

Date: September 2015

Description: The Tic-Tac-Toe Game project was an initiative to develop a classic two-player game with an intelligent algorithm that determines the best possible moves. The game was implemented using the C programming language, focusing on creating an interactive and challenging gameplay experience.

Role: Game Logic and Algorithm Development, User Interface Design, Algorithm Optimization

ACHIEVEMENTS

- Establishing R programming lab designing the lab's curriculum, procuring and installing necessary software and hardware, and creating a structured learning environment that supports data analysis, statistical modeling, and programming skills development(2023).
- Excellence Work Award: Contribution to NBA Accreditation (2022)
- University Gold medalist for top scorer in M.Tech(2021).
- TCS NQT October 2020 Qualified with 73.09%.
- AMCAT certified, strongly recommended for technical operations (IT services and products)
- Distinguished student award for best student in the CSE department (2014).