

JITENDRA SINGH BHADORIA

Portfolio : jitendrabhadoria.github.io
Github : github.com/jitendrabhadoria1
LinkedIn : linkedin.com/in/jitendrabhadoria
Mobile : +91 75 82 900115
Email : jitendra.bhadoria98@gmail.com



EDUCATION

- Indian Institute of Information Technology, Lucknow** Lucknow, UP, India
M. Tech. - Computer Science (Artificial Intelligence), GPA: 8.75 / 10.00 Aug 2022 – Current
- Medi-Caps University, Indore** Indore, MP, India
B.Tech. - Information Technology, CGPA: 7.58 / 10.00 Aug 2016 – May 2020
- S.I.C.A. Sr. Sec. School** Indore, MP, India
CBSE: AISSCE 2016, Percentage: 80.6% 2014 – 2016

EXPERIENCE

- Dell Technologies** Bengaluru, KA, India
Networking Software Engineering Intern June 2023 – Current
- Indian Institute of Information Technology** Lucknow, UP, India
Teaching Assistant Aug 2022 – Jul 2023
 - Exam evaluation, Lab Conduction and Evaluation.
 - Collaborated with the classroom teacher to administer tests and curriculum instruction to students.
- Osiyatech** Indore, MP, India
Web and Game Development Intern Jun 2019 - Jul 2019
 - Developed a cloud-based solution to automate and enhance the engineering process for inventory management using Flask framework of Python for US based client, an engine manufacturing company.
 - Developed a Game using Godot Game Engine. Oversaw all aspects of front-end development and few modules in the back-end as well.

PROJECTS

- Master Thesis:**
Drone Assisted Surface Damage Detection in Historical Monuments using Deep Learning (Ongoing)
- AI Snake Game using Neural Network aided with Genetic Algorithm:**
Developed a project involving training a Neural Network (NN) to predict the next move of a snake in a game. Employed a Genetic Algorithm to optimize the NN's weights for improved performance.
- Fine-tuning the BART Model for Text-to-SQL Query Generation on the Spider Dataset:**
Developed a project involving fine-tuning the BART model for generating SQL queries from natural language text on the challenging Spider Dataset. Collaborated on data preprocessing, model adaptation, and evaluation.
- Plant Disease Detection using Machine Learning:**
Developed a convolutional neural network to predict plant leaf diseases using a publicly available dataset of images of healthy and diseased plant leaves taken under regulated conditions. Used multiple layers and hyperparameters to develop, train, and test this classification model.
- Image Caption Generator Using Machine Learning:**
Implemented the image caption generator using CNN and LSTM in this project. Xception, a CNN model trained on the imagenet dataset, was used to extract image features, which was then feed into the LSTM model to generate picture descriptions.
- P2P File Sharing System using Python:**
The project allowed users to share files over a decentralized network. The system was built using the Twisted library in Python and implemented the BitTorrent protocol for file sharing. Users could add files to their node and other nodes could request these files and download them directly from the node that had the file.
- Air and Noise Pollution Monitoring System using IoT – Minor Degree Project:**
Developed an IoT based Air and Noise Pollution Monitoring System. This project was aimed at monitoring air and noise pollution using multiple sensors. The project was able to perform predictably.
- Secure Authenticated Key Management Protocol for Cloud Computing:**
The objective of the project was to create a secure key management system. I used AES and included methods for producing and delivering encrypted data in a safe manner.

TECHNICAL SKILLS

- **Languages & Technologies:** Go, Python, PHP, C++, JavaScript, SQL, HTML, CSS, jQuery, ML, Network Security
- **Frameworks & Libraries:** Flask, Bootstrap, React
- **Tools:** GIT, MySQL, Docker, Kubernetes
- **Platforms:** Linux, Web, Windows, Arduino, Adobe Graphic Suite, Google Firebase & Analytics
- **Soft Skills:** Leadership, Event Management, Competitive Programming

CERTIFICATIONS

- **Front-End Web UI Frameworks and Tools: Bootstrap 4 (Coursera)**
- **Programming Foundations with JavaScript, HTML and CSS (Coursera)**

VOLUNTEER EXPERIENCE

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| • Overall Coordinator – STIC Medi-Caps University, Indore | <i>Apr 2019 – Jul 2020</i> |
| • Marketing Team Member – TEDxMediCapsUniversity | <i>Aug 2018 – Mar 2019</i> |
| • Organised IONOS'18 – Annual Techfest of Medi-Caps University | <i>Aug 2017 – Mar 2018</i> |
| • Volunteered for ICANI'18 | <i>Jan 2018 – Feb 2018</i> |
| • Organized SRIJAN 2017 | <i>Jan 2017 – Mar 2017</i> |