



Pitani Tirumala Venkata Durga Prasad

Roll No.: 20010121

Computer Science and Engineering

Bachelor of Technology

Indian Institute of Information Technology, Manipur

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LinkedIn

Github

As a May 2024 graduate, I'm actively seeking full-time Software Development Engineer (SDE) roles

EDUCATION

- Indian Institute of Information Technology, Senapati, Manipur** *Dec 2020 - Jun 2024*
Bachelor of Technology, Computer Science and Engineering CGPA: 7.37
- Sasi Junior College, Velivennu, Andhra Pradesh** *Jun 2018 - Mar 2020*
Board of Intermediate Education, Andhra Pradesh Percentage: 95.6%
- Surya High School, Draksharamam, Andhra Pradesh** *Jun 2017 - April 2018*
Board of Secondary Education, Andhra Pradesh CGPA: 10

EXPERIENCE

- Skill Updates** *Aug 2023 - Sept 2023*
Python Developer *Jalgaon, Maharashtra, India*
 - A Python script that generates secure, random passwords using the random module.
 - Developed and deployed a Python-based Rock-Paper-Scissors game with an intuitive user interface, allowing players to challenge the computer and experience the beloved classic firsthand.

ACADEMIC PROJECTS

- Bottle Defect Detection Optimization** *Aug 2023 - Nov 2023*
Building custom Convolutional Neural Networks algorithms
 - Tools & technologies used: PyCharm, Jupyter Notebook, NumPy, and Pandas
 - Conducted comparative analysis of CNN-based models (TensorFlow, PyTorch, custom architectures) for bottle defect detection in industrial manufacturing.
 - Investigated to enhance product quality assurance by overcoming limitations of traditional defect detection methods.
- Cross-Sell Prediction** *Jan 2023 - May 2023*
Building custom logistic regression and SVM algorithms
 - Tools & technologies used: PyCharm, Jupyter Notebook, NumPy, and Pandas
 - Implement the core algorithm, loss function, optimizer, and prediction function. Use a programming language and libraries that are well-suited for machine learning and data science. Evaluate the performance of your algorithms on a held-out test set before deploying them to production.
- Chat Application using Kotlin** *July 2022 - Nov 2022*
Implement a Kotlin chat client with your own UI design
 - Tools & technologies used: Kotlin, UML, Firebase Cloud
 - Create a Kotlin chat client with your UI, using a library like Kotlin Chat Library or Chatkit to manage messages and a cloud database like Firebase to store them.

TECHNICAL SKILLS AND INTERESTS

Languages : Python, C/C++, LaTeX, HTML, CSS, JavaScript, PHP, Kotlin
Developer Tools : PyCharm, Jupyter Notebook, Android Studio, Visual Studio, VSCode
Frameworks : Django, Flask
Databases : MySQL, MongoDB
Soft Skills : Communication, Teamwork, Creativity
Coursework : Operating System, DBMS, Networking, Machine Learning
Areas of Interest : Artificial Intelligence and Data Science

ACHIEVEMENTS

- Python** certified from IIT Mumbai *July 2022 - Oct 2022*
- LaTeX** certified from Infosys SpringBoard *Oct 2022 - Nov 2022*
- Machine Learning with Python** certified from ED-SPREAD *9th Sept - 15th Sept 2022*