

Prabhat Kumar Sharma

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EDUCATION

Indian Institute of Technology Jammu <i>Master of Technology in Computer Technology — GPA-9.2/10</i>	Jammu, IN <i>Sep. 2020 – Present</i>
NSUT East Campus (Formerly AIACTR) <i>Bachelor of Technology in Computer Science & Engineering — GPA-8.2/10</i>	Delhi, IN <i>Aug. 2016 – Sep 2020</i>
Parmeshwari Devi Dhanuka Saraswati Vidhya Mandir <i>Intermediate — Percentage-83/100</i>	Mathura, IN <i>Apr 2015</i>

TECHNICAL SKILLS

Languages: C/C++ ,Python, Javascript
Database/Query Languages: MySQL, MongoDB, GraphQL
Developer Tools: Git, Rest APIs, JSON, NPM/Yarn, Heroku
Frameworks/Libraries: Bootstrap, Reactjs, Nodejs
Platforms: Linux, Windows
MISC.: Data Structures & Algorithms , Machine Learning, Deep Learning, NLP, Exploratory Data Analysis

EXPERIENCE

Software Engineering Intern <i>Toastbeat Ltd. UK</i>	May 2021 – July 2021 <i>Remote, London</i>
<ul style="list-style-type: none">• Worked on a Rental Property Management Solution named Rentoncloud• Developed new APIs using GraphQL and NodeJS to reduce DOM rendering time.• Updated the existing APIs based on the current feature requirements.• API and product flow documentation to reduce the development time.• Integrated APIs with the existing ReactJS code-base of the organization.• Debugged the authentication and other code modules for smooth user on boarding.	
Full Stack Developer Intern <i>LearnCool Pte. Ltd.</i>	May 2019 – Oct 2019 <i>Remote, Singapore</i>
<ul style="list-style-type: none">• Developed an internal version control system for the primary feature of the platform using Gitlab APIs.• Developed User-Centric quiz-game using react and Mongoddb, surpassing 100 users within a month since launch.• Development of new and maintenance of existing APIs made using GraphQL and Nodejs.• Designed a system to choose a preferred payment gateway based on the user's location.(revenue growth increased by 15%).	
Front End Developer Intern <i>TDG Stellars Tours & Adventures Pvt. Ltd.</i>	Aug. 2017 – Oct. 2017 <i>Delhi, IN</i>
<ul style="list-style-type: none">• Improved User Experience, which reflects with 5.6% growth in organic traffic on production.• Developed User Interface for sales team and reduced the audience target time.• Developed User Interface for leads scrapping tool, which was designed by a team of 3.	

PROJECTS

Weather Forecasting System <i>Python, Numpy, Pandas, Sklearn, IoT</i>	IIT JAMMU
<ul style="list-style-type: none">• Deployed IoT Sensors for Temperature Humidity, Soil Moisture, Air Quality Index and Deflection with the main Gateway node.• Collected real-time data through sensors over a cloud using a small private network maintained in the gateway.• Forecasted weather (Temperature, Humidity) for the IIT Jammu campus using Machine Learning techniques.• Predicted landslides in the hilly areas using soil moisture and deflection sensor by setting some threshold value of deflection in particular axis and observing previous data of soil.	

Unpaired image-to-image translation using cycle-consistent adversarial networks | *Python, NumPy, Pandas*

- Implemented a method which will translate image from one set to another using CycleGAN.
- Focused on the object transfiguration in this project. Which is one of the application of unpaired data.

Amazon Fine Food Review Analysis | *Python, Pandas, NumPy, NLTK*

NLP

- Machine learning and NLP Based project.
- Involves training the machine on how to identify the degree of positivity of the review with the amazon fine food reviews dataset.
- Uses TF-IDF, Word2Vec and BoW modes of vectorising the data.

Image Classification using Logistic Regression | *Python, NumPy, Pandas*

- Built a logistic regression-based classifier to classify whether an Image consists of a cat or not.
- Used the Gradient descent algorithm
- Sigmoid based loss function.

Crop Predictor | *React, MongoDB, Heroku, Javascript, Git*

Paytm-BFI Hackathon

- Developed a full-stack web application using React, serving a REST API with React as the frontend.
- Integrated Google OAuth Login/Signup.
- It is an agricultural solution, which predicts the top 5 best-suited markets to sell the harvest. The algorithm calculates based on daily market quotes, transportation cost and returns the maximum profitable markets.

ACHIEVEMENTS

- Consistently in the Top 3 during Master degree and Top 10 In all the semesters during Bachelor's Degree.
- Scored 290/300 In Code Kaze-21 (National Level Coding Competition).
- Secured 24th Rank in NJack Winter Of Code.
- 1614 (3*) Highest Rating on Codechef
- Secured Qualifier Round In Paytm- BFI Hackathon

RELEVANT COURSEWORK

- Deep Learning, Computer Vision
- Data Organization and Information Retrieval
- Linear Algebra, Data Structures Algorithms
- High Performance Computing

POSITIONS OF RESPONSIBILITIES

Research Assistant | *IIT JAMMU*

- Working in Central Computing and Communication Infrastructure (C3I).
- Working On High-Performance Computing of IIT JAMMU.

Placement Representative | *CDC-IIT Jammu*

- Actively working member at Career Development Center.

TEDx AIACTR | *AIACTR*

- Lead a technical team of 4 members for a year to manage designing, content writing and development of technical requirements.
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