

**AASHISH GHIMIRE**  
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Chitwan, Nepal

## Education

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- **Bachelor of Computer Engineering**, IOE, Paschimanchal Campus, Pokhara, Nepal, 2017 – 2022
  - Percentage: 69.56%; Passed with first division honours
- **+2(High School)**, Gurukul Secondary School, Chitwan, Nepal, 2015 – 2017
  - Percentage: 73.7%; Passed with first division marks

**Relevant Coursework** Data Structures & Algorithms; Machine Learning; Operating Systems; Digital Logic; Digital Signal Analysis & Processing; Advanced Calculus; Software Engineering, Big Data, Data Mining, Computer Architecture

## Experience

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- **Software Engineer**, Splendour Group, Kathmandu, Nepal, 07/2022 – 01/2023
  - Part of the Backend team where I develop Restful API using Django REST framework to build scalable applications
  - Coordinated and collaborated with cross-functional teams, such as frontend and UI/UX designing team to build a complete e-commerce product.
- **Data Science and Business Analytics Intern**, The Sparks Foundation, Virtual, 07/2020 – 08/2020
  - Selected and participated in a virtual Data Science internship where several concepts of ML and data science were familiarized and number of projects were completed. [Link to internship projects](#)
- **Software Engineer, Intern**, Intelzy Software Pvt Ltd, Chitwan, Nepal, 05/2022 – 07/2022
  - Learned and implemented API development with handling data security issues like authentication and authorization.
  - Learned to write scalable and efficient code in Django and Flask frameworks.
- **Executive Member**, Innovative Computer Engineering Society, Pokhara, Nepal, 2019 – 2021
  - Worked as an executive member of the Innovative Computer Engineering Society under the department of Computer Engineering where we helped organize different technical programmes and conferences with our mentors from different institutional and technical organizations to the students of the Paschimanchal Campus.

## Research Publication

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- **Journal of Artificial Intelligence and Capsule Networks, IRO Journals**: Paper entitled “*Leather Defect Segmentation Using Semantic Segmentation Algorithms*”. Here, a deep learning-based semantic segmentation model is used to detect defects in leather images and highlights the defect with proper defect type. On examining various CNN architectures, best result was recorded on Mobilenet Unet with 72.1% IoU, 82.59% F1 Score. [Full Article](#)

## Projects

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- **Data Analysis and Machine Learning Projects:** Several data analysis and ML projects that I have done are stored in this repo. [Code](#)
- **Blogging Website:** This is a blogging site built using Django Framework. [Code](#) [Live Demo](#)
- **Gym Management System (Backend):** This is the project where API endpoints for the Gym management system are developed using Django REST framework which can later be used by frontend to build complete systems. [Code](#)

## Participation and Achievements

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- **CodeCamp:** Got proposal selected and participated Vector Codecamp, 2020 as a team leader along with my teammates Sushil and Sandesh. We develop a web application that can provide detailed information to respective local people about all the budget allocated by the local governments.
- **Code with Coffee:** 3rd position secured among 38 teams organized by ICES(Innovative Computer Engineering Society) , It is a two-day light competitive coding contest where a set of challenging coding problems are solved.
- **Receipient of IOE Scholarship:** Secured 516 rank among sixteen thousand students appearing on National Engineering Entrance examination.
- **Bronze prize:** Participated and secured 3rd rank in the District level Classical Chess Tournament(2022) held in Chitwan, Nepal.

## Skills

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- **FrontEnd:** CSS3, Javascript
- **Backend:** Django, Flask, Firebase
- **ML programming:** Python, Pandas, Numpy, Keras, ,Scikit Learn, Tensorflow,Pytorch
- **Tools:** Git, Github, Bash, Linux, Familiarity with Docker
- **Database:** MySQL, PostgreSQL
- **Data Scrapping:** BeautifulSoup