



Himani

Software Developer

"Passionate Software Developer, with a successful record of accomplishments in executing full product development cycle from inception to completion involving client interactions, requirement analysis and technology choices."

Contact

- office.himani@gmail.com
- New Sunny Enclave, Mohali
- himani-himani-627348114/
- <https://github.com/himani226>

Education

2012- 2014

M.TECH IN COMPUTER SCIENCE

Guru Nanak Dev University, Amritsar

2008 - 2012

B.TECH IN COMPUTER SCIENCE

G.N.D.U, Regional Campus, Jalandhar

Skills

LANGUAGES

Python, C#, PHP

ARTIFICIAL INTELLIGENCE

Machine Learning, Deep Learning,
Data Analytics, Data Science, NLP

AI LIBRARIES

Pandas, NumPy, NLTK, Scikit,
Tensor Flow, Keras

VISUALIZATION TOOLS

Matplotlib, Seaborn, Tableau

FRONT END SKILLS

HTML, CSS, Bootstrap 5

SOFTWARES

Anaconda, PyCharm, Visual Studio
Unity Game Engine, ZapWorks

Work Experience

Project Engineer

March 2016 - Present C-DAC / Mohali

Trainings(March 2023 - Present)

- Provide training to international and national participants for Python, Artificial Intelligence, Data Scientist, Data Analytics, Virtual and Augmented Reality.

Psychometric Test(Sept 2022 - March 2023)

- Developed web application using Django framework.
- Implemented REST APIs for mobile platforms.
- Done Payment Gateway Integration.
- MySQL Database is used to store the user data.

Legal Metrology (Jan 2022 - Aug 2022)

- Design and Develop the Legal metrology application in PHP.
- Role based application.
- Follow the agile methodology to implement the app.
- Payment Gateway Integration.
- MySQL Database is used to store the user data.

Cockpit Simulator for Indian Airforce (Dec 2021-July 2021)

- Virtual cockpit has been designed and developed using the Unity Game engine.
- Worked on Oxygen level module, Weapon Module, Radar Module.

Defence Ministry funded Disease Detection Project (Sept 2019 - Dec 2021)

- Used OpenCV library for image processing.
- Blob detection technique was used for detecting leaf's infected area contours using OpenCV library.
- Developed web application-based dashboard in Python Django for uploading disease and crops details.
- Implemented REST APIs for uploading images from end users via mobile platform.

Automated Students Reviews & feedback Analysis Tool (Feb 2019 to Sept 2019)

- Students reviews and feedback were analyzed for online courses (by CDAC) rating.
- Pandas, Numpy and NLTK Library is used to perform the analysis.

Web and Mobile Platform Applications (March 2017 - August 2018)

- Designed and developed Lokpal Punjab government website using PHP and Joomla CMS.
- Architected database in MYSQL for Lokpal website.

PB-Chemist Android App for FDA Punjab (Dec 2017 - July 2018)

- With the team of three developers designed PB-Chemist for ordering and checking inventory in realtime of medicines from the nearby chemist shops.
- My role was to design and architect medicine inventory at the backend and APIs for mobile application.
- Integrated Google Maps APIs for location tracking of end users and chemist shops.

Assistant Professor

Dec 2014 - Mar 2016 Global Institutes / Amritsar

- Prepare and deliver lectures to undergraduate or graduate students on topics such as Database, Theory of Computation, and Machine Learning.
- Conduct research & publish findings in professional journals, books, or electronic media.
- Supervise undergraduate or graduate teaching, internship, and research work.

Strengths

Responsible

Analytical

Efficiency

Communication

Team-Working