

Manas Kumar Rai

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SUMMARY:

Computer Science enthusiast and engineer pursuing Master's in Computer Science & Engineering from Santa Clara University, California. Proficient with AIML in image processing and pattern recognition algorithms. Seeking to bring fast, optimized solutions to your company.

EDUCATION:

Santa Clara University, California, USA

Pursuing, March 2023 Expected

Master's in Computer Science & Engineering

Relevant Course Work: Design and Analysis of Algorithms, Operating Systems, Database Systems, Computer Architecture, Advance Data Structures, IOT, Computer Programming, Embedded Systems, Logic Design, Machine Learning, Digital Signal Processing

Shiv Nadar University, Greater Noida, India

May 2019

Bachelor of Technology Electronics and Communication Engineering (**Major**)

Mass Media Communication (Minor)

TECHNICAL SKILLS:

Skills & Technologies: C, C++, Python, Kiel uVision 5, Arduino IDE, Mobile and Cloud, Windows, Linux, Java

Tools: Visual Studio, CNN, MATLAB, GIT Platform, Adobe Premiere Pro & Final Cut Pro, MS Office Suite

Technology Domains: Artificial Intelligence, Machine Learning, OOP, Advance Data Structures, Database Systems, UXP & Creative Apps, Mobile Apps, Sensor Technology and IOT Systems.

Industry Certifications and Self Learning: [Microsoft Azure](#) (AZ-900), [Python Masterclass](#), [Machine Learning](#), [Machine Learning Models Using Python](#), Logic Design, Embedded Systems

WORK EXPERIENCE:

Wipro Ltd., Electronic City, Bangalore

July – October 2019

AIML Intern Engineer, UXP Digital Lab

Worked on Machine Learning Algorithms (Regressors and Classifiers) and developed image processing solution using Python and Tensor Flow to parse classified employee's data including resume received in various formats (implementing CNN in our model) resulting in a high accuracy of 94%.

ACADEMIC PROJECTS:

Yelp Database GUI Using JDBC, Java and Oracle Database - Fall 2021

- Developed a Yelp Database Query generator using public JSON files to parse over a million data entries to create a GUI to filter data by generating SQL queries to retrieve data from Oracle to present on the GUI.

Home Automation System using Bluetooth & GSM enabled mobile technology - Spring 2019

- Developed a Home Automation System using an Arduino Microcontroller, for electrical appliances with the help of a Bluetooth enabled devices, Voice Recognition and SMS.

Footstep Power Generation System using piezoelectric sensors - Fall 2018

- Created a footstep pad using piezoelectric sensors that once stepped on provided energy to the LED's

IOT powered Energy Efficient Street Lights system – Spring 2018

- Created a smart streetlight system using Real Time Clock, Ultrasonic Sensors and Light Dependent Resistors using STM32 Microcontroller

Digital Content Curation using Adobe tools – Fall 2019

- As a project for my minor in Mass Media Communication curriculum, I extensively worked on content development and compilation a [short film](#) using Adobe Premiere Pro & Final Cut Pro.