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WORK EXPERIENCE

- **Opsis - Emotion Recognition AI**

  Software Developer: November 2020 - December 2020 (2 months)
  - Developing **cloud application** for Opsis on SAP Cloud Platform [utilizes Python Flask backend]
  - Development of **UI5 based frontend** for image/video processing and analytics

- **Oracle Financial Services Software**

  Software Developer: July 2018 - July 2020 (2 years)
  - Built Front-end UI screens **(40+)** using OJET (Oracle JavaScript Extension Toolkit) [utilizes KnockoutJs + ReactJs + docker] for **Oracle Banking Liquidity Management (OBLM)** - Successfully resolved JavaScript + UI issues for the same **(200+)**.
  - Created **Spring Boot 2 based micro services**, implemented in-house applications based using Netflix Eureka.
  - Developed batch utilities for git and repository management for branch migration, merge and other operations.
  - **Landed 7+ clients** including the likes of Wells Fargo and Mizuho Bank.

  Automation Applications Developer: September 2016 - July 2018 (1 year 10 months)
  - Developed **end-to-end Automation Framework (Hybrid) for OBLM** using **Selenium WebDriver** + JAVA + Apache POI **under 6 months**.
  - Developed parsers to extract data (X-paths, Locators) from ADF pages using regular expressions; handling of dynamic X-Paths
  - **Planned and conducted 3-days workshops for experienced developers** on Automation Framework.
  - Shortened the **coding effort and time by one-third**, facilitating developers to write unit/functional test cases using intuitive English commands with continuous data feed support.

RELEVANT COURSEWORK

- **CS 5242 Neural Networks & Deep Learning***
- **CS 5340 Uncertainty Modelling in AI***
- **CS 5223 Distributed Systems***
- **CS5446 AI Planning & Decision Making***
- **CS 5346 Information Visualization**
- **CS 4242 Social Media Computing**

TECHNICAL SKILLS

- **Programming/Scripting Languages/Frameworks** - Python, JAVA, JavaScript, Selenium WebDriver, HTML, C++, jQuery, Shell Script, Knockout, React, SQL
- **Frameworks/Libraries** - TensorFlow, Scikit-learn, Keras, PyTorch, NodeJs
- **Operating Systems** - Linux (Ubuntu), Windows
- **Tools** - Postman, GIT, SVN, Oracle Weblogic Server, Eclipse, Oracle SQL Developer, Microsoft Office, Atom, LaTeX, IntelliJ

KEY PROJECTS

- *Generate Synthetic Images with DCGANs in Keras – Coursera Guided Project - June 2020*
  - Learnt about the **MNIST dataset (Fashion MNIST Images) and general flow of GANs**.
  - Built and trained a **Deep Convolutional GAN (DCGAN)** with Keras Sequential API and Tensorflow 2

- *Battle of Brains – Hackathon - April 2019*
  - Implemented **Auto-Regressive Integrated Moving Average (ARIMA) model**, performing a hyper-parameter search for the best possible performance.
  - The solution **outstood 40+ teams** to create a better banking solution.
  - Highly appreciated by the management and **deployed for use in the real-time environment.**

- **Automation Framework - OBLM** – *Framework - June 2017*
  - Developed **Data-Driven Automation Framework** using **Selenium WebDriver** in JAVA & Apache POI.

- ○ **Delivered workshops for developers** resulting in 25+ Screens/Modules & 500+ test cases.
- ○ Inculcated Developer-friendly modes for further use.

- **X-Path Maker** – *Utility - March 2017*
  - ○ Created an extractor/parser for ADF based application pages in JAVA.
  - ○ Used Regular Expressions to generate pattern based locators.
  - ○ Successful in extracting out **95% X-paths automatically**.

- **Who Wants to Be A Millionaire** – *C++ Program - 2011*
  - ○ Developed a **fully functional "Who wants to be a millionaire"-esque game** with random questions and e-mail support in C++. The project was sent to CBSE (National Education Board).
  - ○ Used concepts such as captcha, graphics libraries in C++ to achieve look and feel.

EDUCATION

Qualification	University	Institute	Year	Grade/%
B. Tech (Honors)	NIT Raipur	NIT Raipur	2012-2016	8.27/10
Intermediate/+2	CBSE	HHEA Raipur	2011-2012	89.4/100
Matriculation	CBSE	HHEA Raipur	2009-2010	9.8/10

POSITIONS OF RESPONSIBILITY

- **Entrepreneurship Cell** (2014-2015) - *Convener*

  - ○ Successfully organized the first **E-Summit** at NIT Raipur.
  - ○ **Led a team of 16** to organize the event 'HR Sutra-An Interview Experience'.
  - ○ Fundamental in starting campus ambassador programs thus promoting inter-collegiate network.

- **Google Student Ambassador Program** (2013-2014) - *Core Crew*

  - ○ With a team of 6, conducted the first ever Virtual TEDx conference at NIT Raipur.
  - ○ Promoted Google as a part of **GSA** program through various events such as "Smash N Bash".

- **CMS Vatavaran** – **International Environment & Wildlife Film Festival** (2015) - *Volunteer*

  - ○ Organized film screenings at different avenues covering Raipur only with a team of 6.
  - ○ Escorted & attended to Mr. Jaisingh Dhumal (Chief Manager, ICICI, Mumbai) and guided Mr. Aamir Aijaz (Filmmaker) for the span of the festival.
  - ○ Organized a film-making workshop for budding cinephiles.

- **Team Aavartan** (2014) - *Core Member*

  - ○ Successfully organized and marketed **Central India's largest Techno-Management Fest** with a turnout of 10000+.
  - ○ **Leading a team of 20**, brought a three-fold increase in sponsorship for events.

- **Core Member of Click Club** (2013-2016)

  - ○ Received **excellent grades** in photography consistently for 2 years.
  - ○ Organized pixel lane and many other events for an audience of 2000+.
  - ○ Went on 'photo-walks' and Click trips for adventure & photography.

ACHIEVEMENTS

- Awarded **1st position in "Caliber de-en-quete" (CDQ)** - aptitude test organized by IIT BHU, Varanasi.
- Received **Gold & Silver medals** in Grade 11 (Rank – 1) & Grade 12 (Rank – 2) respectively.
- Achieved **3rd Position in Mega State Level Scholarship Test** conducted by Career Launcher, January 2013.
- Presented a project on **"Alternative Sources of Energy" at CBSE Inter-School Science Exhibition** in Bhubaneshwar, Orissa in 2011.
- Acquired **5th Position at Inter-School Level Quiz**, **Limca Book of Records Quiz** in 2010.
- **Topped state level entrance test (out of 15000+ candidates)** for Disha Junior College, 2010.
- Secured **3rd Prize in English Essay Competition on Child Labour** in 2008, Hidayatullah National Law University.

OTHERS

- **Strengths:** Dedicated Worker, Expressive, Adaptable, Team Player, Fast Learner.
- I enjoy poetry, philosophy and writing as leisure activities. I identify myself as a stand-up fanatic.
- **Spoken Languages:** Advanced fluency in English, Hindi; Beginner in Punjabi, Marathi and Spanish.