Gautam Pranjal

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EDUCATION

University of Southern California, Los Angeles, California   **December 2022**
Masters of Science in Computer Science (Artificial Intelligence)
Courses: Analysis of Algorithms, Foundations of Artificial Intelligence
GPA: 4.0/4.0

Netaji Subhas Institute of Technology (NSIT), University of Delhi, India   **May 2018**
B.E. in Information Technology (First Class with Distinction)
CGPA: 8.85/10

TECHNICAL SKILLS

- Programming Languages: Python, C, C++, PHP
- Web Technologies: HTML, CSS, JavaScript, JSON, jQuery, Bootstrap, Flask, PHP, Ajax
- Databases: MySql, SqlLite, phpMyAdmin
- Cloud Technologies: Google Cloud Platform (GCP), Azure, AWS
- Toolkits: Git, Jira, Microsoft Excel,Visual Studio, RobotStudio, Azure DevOps
- Scripting: Batch Scripting, Shell Scripting

PROFESSIONAL EXPERIENCE

Course Producer
University of Southern California, Los Angeles, USA   **August 2021- Present**
- Working as a course producer under Dr. Wei-Min Shen for the course CSCI-561: Foundations of Artificial Intelligence for the Fall semester in 2021.

Sr. Project Engineer
Wipro Limited, Bengaluru, India   **December 2019–January 2021**
SAP-DevOps
- Responsible for the end-to-end development of web applications for Server Management and Server Health portal.
- Developed the Admin dashboard and the APIs for the websites.
- Apart from the development, added responsibility of client interactions, presenting solutions in Tech forums, and creating the reports for SAP certification of our solutions.

Project Engineer
Wipro Limited, Bengaluru, India   **July 2018–December 2019**
SAP-DevOps
- Developing technical solutions for the Digital and Innovation team by implementing DevOps and Agile in the SAP landscape. Integrated non-SAP tools (Jira, Azure DevOps) with SAP Solution Manager.
- Overcame a major obstacle of object lock present in SAP by enabling parallel development. Reduced the R2D time down by 35% and testing time by ~55% via automated scripts.

Summer Intern
ABB GISPL, Bengaluru, India   **May 2017–July 2017**
Small Information System
- Creating Small Information System (SIS) to communicate to a Robot Controller to read and write robot running data, process data, and display them as part of HMI and save it for future reference.
- Made it easier for engineers to view and access robot data from a single application.

Winter Intern
NIIT Technologies, Greater Noida, India   **December 2016**
Efficient Logging System
- Development of automated scripts which take care of logs, retrieval, processing, and storage.
- Reduced the time from gathering of logs to storing it back by 20%

PROJECTS AND ACHIEVEMENTS

- Wipro (as a company) received certification in the field of "SAP-DevOps" via our DevOps solutions build for SAP.
- First Order Logic Resolution. Developed a system that takes FOL queries, resolves them and outputs a conclusion.
- Checkers Game Playing Agent: The AI agent makes a valid move by using the Minimax algorithm with alpha-beta pruning to increase the efficiency.
- Manga Catcher: Python script used to download the chapters of a comic from a source for offline viewing.
- A Secure and reliable data backup and recovery technique using seed block algorithm- under the guidance of Prof. Dr. Deepak Sharma. Responsible for algorithm design and implementation. [Undergraduate: Major Project]
- Authentication and key agreement scheme for multi gateway wireless sensor networks in IoT deployment under the guidance of Prof. Devender Kumar. Responsible for finding the vulnerabilities of the scheme used and improving them. [Undergraduate: Minor Project]