Gautam Pranjal

Los Angeles, CA 90007 | gautam17pranjal@gmail.com; pranjal@usc.edu | +1 (213)-284-9645
Linkedin | Website | GitHub

EDUCATION

University of Southern California, Los Angeles, California **December 2022 (Expected)**
M.S. in Computer Science (Artificial Intelligence)
Coursework Analysis of Algorithms, Foundations of Artificial Intelligence, Machine Learning, Database Systems
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, PHP
- Web Technologies: HTML, CSS, JavaScript, JSON, jQuery, Bootstrap, Flask, PHP
- Databases: MySql, SqlLite, phpMyAdmin
- Cloud Technologies: Google Cloud Platform (Virtual Machines), Azure (PMT), AWS (EC2)
- Toolkits: Git, Jira, RobotStudio, Azure DevOps, Azure Pipelines, Jenkins
- Scripting: Batch Scripting, Shell Scripting

PROFESSIONAL EXPERIENCE

University of Southern California, Los Angeles, USA **August 2021- Present**
Course Producer
- 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.

Wipro Limited, Bengaluru, India
Sr. Project Engineer **July 2018–January 2021**
Server Management Portal
- Sole Developer for the end-to-end development and maintenance of web applications for Server Management and Health portal.
- Used HTML, JS, Bootstrap, jQuery to create the Admin Dashboard. PHP and Flask were used for backend and API creation. phpMyAdmin was used for SQL.
- Wrote scripts to gather resource utilisation and jobs status for EC2 instances.

SAP-DevOps
- Implementing DevOps and Agile in the SAP landscape.
- Integrated non-SAP tools (Jira, Azure DevOps) with SAP Solution Manager.
- Overcame an obstacle of object lock present in SAP by enabling parallel development using GitHub and ABAPGit.
- Assisted in the creation of pipelines on Azure DevOps and Jenkins and connecting them to the developer's IDE using APIs created via Python and Flask to carry out automated testing.
- Reduced the R2D time down by 35% and testing time by ~55%, leading to a budget reduction of 30%.

ABB GISPL, Bengaluru, India
Software Developer Intern **May 2017–July 2017**
Small Information System
- Creation of a windows application using C# to communicate with a Robot Controller.
- Developed functions to collect the robot's data, process, store, and display them as part of HMI screens.
- Made it easier for engineers to view and access robot data from a single application.

NIIT Technologies, Greater Noida, India
Software Developer Intern **December 2016**
Efficient Logging System
- Developed a framework to automatically retrieve logs from multiple sources, process them and store them back.
- Reduced the time from gathering logs to storing them back by 20%.

PROJECTS AND ACHIEVEMENTS

- First Order Logic Resolution: Python program that takes FOL queries, resolves them and outputs a conclusion.
- Checkers Game Playing Agent: Python based AI agent which 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]