

JATIN PATEL

Course : Bachelor of Technology (BTech.), Computer Science and Engineering (CSE), 2020 - 2024

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COLLEGE ACADEMIC DETAILS

**College Name** - Gyan Ganga College of Technology, Jabalpur  
**Course** – BTech., Computer Science and Engineering (CSE)  
**Grade point** - 8.68 CGPA  
**Duration** - 2020-24

SCHOOL ACADEMIC DETAILS

COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	O.P. Jindal School, Raigarh	CBSE	94.6 %	2020
CLASS X	O.P. Jindal School, Raigarh	CBSE	95.5 %	2018

Subjects / Electives	Data Structures (DS), Object Oriented Programming (OOP), Analysis and Design of Algorithms (ADA), Operating Systems (OS), Database Management Systems (DBMS), Machine Learning (ML), Computer Networks (CN), Software Engineering (SE).
Technical Proficiency/Skills	C/C++, Python, Object Oriented Programming (OOP), Data Structures and Algorithms (DSA), Machine Learning Algorithms (ML), NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Computer Networks, SQL, PostgreSQL, AWS Cloud.

SUMMER INTERNSHIP / WORK EXPERIENCE

- (1). Cisco Campus Ambassador – Cisco.
- Representing Cisco at my college campus as a Campus Ambassador – organizing events viz. Hackathons, Coding Contests, etc.
- (2). Cisco Virtual Internship – AICTE Virtual Internship.
- Developed a Python module that would validate whether a given IP address is a valid IPv4 address.
  - Worked on Cisco Packet Tracer to design various small networks.
- (3). Persistent Systems Summer Internship Program – (June 2023 – August 2023)
- Received mentorship on several CS fundamentals viz. – Operating Systems, Data Structures, DBMS.

Projects

- (1). Housing Price Prediction using Machine Learning.
- Engineered and optimized a Housing Price Prediction model achieving an accuracy of 89% on the Test dataset through rigorous preprocessing, feature engineering, and hyperparameter tuning using Grid Search CV.
- (2). AeroCost Estimator - Flight Price Prediction using ML.
- Transformed the dataset for ML model training, using Encoding techniques, Outlier Detection, Feature Engineering. Performed Hyperparameter tuning using Randomized Search CV. Accuracy – 70% on Test dataset.
- (3). AeroMaintenance – An Aircraft Maintenance Management Application.
- A CRUD-based Aircraft Maintenance Management system using Django, allowing for streamlined scheduling, assignment and monitoring of maintenance tasks, ensuring compliance with safety standards.
- (4). Real-time Flight Tracker
- A real time live flight tracker which returns information about flight – Airspeed, Altitude, Heading, ETA, etc. along with the flight path generated on map. The weather conditions of the Source and Destination airport may also be checked.

Interests and Passions	
<p>(1). <b>Computer Science technologies</b> – Deep interest in developing innovative solutions using tech. like ML, DL, Web Development, Cloud Computing.</p> <p>(2). <b>Aviation and Aerospace Enthusiast</b> – Deep interest in keeping track of developments in Aviation industry.</p>	
ACHIEVEMENTS	
<ul style="list-style-type: none"><li>5* star in C++, SQL, 4* star in Problem Solving at Hackerrank. 500+ DSA problems across GeeksforGeeks, Leetcode, Hackerrank.</li><li>Received – AI Programming with Python Nanodegree, Udacity through AWS and Intel Machine Learning Scholarship.</li><li>Presented my Research Paper titled – “Real Estate Housing Price Prediction using ML” in “National Seminar on Importance of Mathematicsfor Data Science and Machine Learning” – 18<sup>th</sup> May 2023.</li></ul>	
PERSONAL PORTFOLIO	
<p>LinkedIn – <a href="#">(7) Jatin Patel   LinkedIn</a></p> <p>GeeksforGeeks - <a href="#">ashubobo7   GeeksforGeeks Profile</a></p> <p>Hackerrank - <a href="#">Jatin Patel - ashu_bobo7   HackerRank</a></p> <p>Github - <a href="#">jatin-999 (github.com)</a></p>	
CERTIFICATIONS	
CERTIFICATION	CERTIFYING AUTHORITY
(1). AWS Cloud Foundations and ML Foundations	AWS Academy
(2). CCNAv7 – Introduction to Networks	Cisco Networking Academy
(3). Programming Essentials in Python and C++	Cisco Networking Academy
(4). AI Programming with Python	Udacity
(5). Fundamentals of Aerospace Engineering (October, 2020)	TU Delft University, Netherlands
Preparing for AWS Certified Cloud Practitioner exam (as of 6 <sup>th</sup> April, 2024).	AWS Academy.