DEEPENDRA AGARWAL

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503, Niranjan Vatika, Haridwar, Uttarakhand - 249408

ATS Score: 73

CAREER OBJECTIVE

An **assiduous** software developer skilled in team **leadership**, **creativity**, and **designing skills** seeking opportunity to utilize my acquired skills and training to help me and my future peers grow to make a considerable difference in the industry and to help in our consequent success

EDUCATION

Chandigarh University, Department of computer science and engineering, Punjab **2022 - 2026**
Bachelor of Engineering in Computer Science Engineering
CGPA: 8.53

P. P. Savani School, **2018 - 2022**
Intermediate (C.B.S.E.): 94.4%
Matriculation (C.B.S.E.): 97.4%

TECHNICAL SKILLS

Languages:
Python, SQL, C/ C++, C#, HTML-CSS, JS
Tech-Stack
Statistical Learning, Software design, Database Management, Network Management, DSA
Tools
AutoCAD, Cisco Packet tracer, Visual Studio, VS Code, Unity Engine

PROJECTS/ RESEARCH PAPERS

TRANSFORMERS FOR ANALYTICAL PREDICTION (DUE FOR PUBLISHING) **June 2024 – Present**
ML-model design
A model to test the accuracy of transformers in prediction of traffic at junctions, and the relation of increased context and the accuracy obtained. Implemented using python.

#RAVE **June 2024 - Present**
App Development
A social media system centered on geographical location and physical presence of people. Using react for edge end applications and .NET framework for backend with database managed by Microsoft SQL server.

EVOLUTION SIMULATION **Jan 2024 – May 2024**
Neural Network and genetic algorithm
Simulation of evolution of organisms having a neural net brain of limited neurons using survivability criteria as reward function for Reinforced Learning. Implemented using Unity Engine and C#.

RAILWAY TICKET BIDDING SYSTEM **Feb 2023 – May 2023**
Backend design of real-world problem
Using Python to create the backend system for bidding of railway tickets to be potentially cancelled/ unsold. Real time bidding and data processing including scheduled jobs and hosting of database using Amazon Web Services.

CERTIFICATIONS

MySQL with python (meta), Python Advanced (coursera), Team Skills, Learning how to learn, Quantum Physics, Cloud Computing (NPTEL), Computer Organization and Architecture (NPTEL)

ACHIEVEMENTS

Round 2 finalist – teckathon – 2024, 3rd in tech-invent coding challenge, 1st in Code Rush, 4th in interdepartmental and inter-year coding competition, DLL-MOOCS Award, CodeChef – 1767, Codeforces – 1311

HOBIES AND INTERESTS

Reading, Cycling, Travelling, Gaming | Machine Learning, Embedded Systems, Game Design, Physics, Math

EXTRA CURRICULAR ACTIVITIES

Class Representative of KARGIL Batch for training and placement program
Volunteered for construction and planning of parks and grounds for disabled children.