Archit Gupta

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Education

Shiv Nadar Institute Of Eminence   *Greater Noida*

B.Tech in Computer Science, Specialization in Data Science   *Aug 2020 - Current*

- **CourseWork:** Data Structures and Algorithms, Operating Systems, Database Systems, Artificial Intelligence(AI), Computer Organization and Architecture, Object Oriented Programming (OOP's)

Roorkee Public School   *Roorkee, India*

CBSE, 12th:-80%   *May 2017 - May 2019*

MontFort School   *Roorkee, India*

CBSE, 10th:-95%   *Apr 2016 - Apr 2017*

Work Experience

IIT, Roorkee   *India*

Web Developer Intern   *March 2023 - June 2023*

- Created a Web Application under the Guidance of prof, Abhishek Samantray for creating and storing projects among other profs in the institute and can create a cloud-based repository. It enables the users to upload their own projects where others can interact.
- Users can follow other users, download their projects and can interact just like a social media app.
- **Technical Skills:**HTML, Vanilla CSS, Javascript, Python Django, PostgreSQL
- **Soft Skills:** Time Management, Communication, Presentation skills, Creative designing

University Projects

Mediline:- Patient-Doctor Web App   *Greater Noida*

Shiv Nadar IOE   *Feb 2022 - Apr 2022*

- Built a utility web application by collaborating with 6 other members, which improves the functionality of clinics and hospitals by establishing a network between doctors and users. It includes features like disease prediction, Appointments Booking, Storage for medical records etc.
- We have also embedded a disease prediction ML model for doctors and patients using using Python, FastAPI
- **Technical Skills:** HTML, Tailwind CSS, Node.js, MongoDB, Fast API, Express.js React.

Chess Engine in Java   *Greater Noida*

Shiv Nadar IOE   *Sept 2021 - Nov 2021*

- Employed Minimax algorithm with alpha-beta pruning for developing the chess AI with a 70 success rate.
- Used CSS, and Java Swing for creating the UI of the desktop app.
- **Technical Skills:** Java, Java Mail API, Java Activation JARS, CSS, Maven

Sokoban Game Solver   *Greater Noida*

Shiv Nadar IOE   *Oct 2022 - Dec 2022*

- Developed a Sokoban solver using the A star algorithm and uninformed search algorithms in Python without any pre-existing libraries. The solver provides optimal solutions to Sokoban puzzles by finding the shortest path to complete the task..
- **Technical Skills:** Python.

Fake News detector Using LSTMs   *Greater Noida*

Shiv Nadar IOE   *Oct 2022 - Dec 2022*

- Made use of TensorFlow library to create and train a model.
- The model consisted of an embedding layer, Bi-directional LSTMs and two dense layers.
- **Technical Skills:** Python, TensorFlow, Google Colab.

Skills

Programming	C++, Python (Django, Pandas, NumPy, etc.), Java,React.js, HTML/CSS, Javascript, MySQL, MongoDB
Miscellaneous	Microsoft Office, Firebase, Git.
Soft Skills	Time Management, Problem-solving, Communication, Effective team player, Critical thinker.

Certifications

2022	**Algorithmic Toolbox**,	*coursera*
2022	**Python Data Structures**,	*Hackerrank*
2022	**Programming for Everybody (Getting Started with Python)**, University of Michigan	*Coursera*
2022	**Python (Intermediate)**,	*Hackerank*
2021	**Object-Oriented Data Structures in C++**, University of Illinois at Urbana-Champaign	*Coursera*
2021	**SQL (Intermediate)**,	*hackerank*
2021	**C++ (Intermediate**,	*Hackerank*

References available upon request.